

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008062.D
 Acq On : 07 Jan 2019 11:39
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 11:53:28 AM

Quant Time: Jan 08 03:51:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	128348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	103498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43627	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.88	113	39951	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.32	98	156723	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.62	95	51499	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34545	47.156	ug/l	96
3) Chloromethane	2.21	50	25443	46.816	ug/l	98
4) Vinyl Chloride	2.37	62	35984	51.267	ug/l	96
5) Bromomethane	2.78	94	22346	50.110	ug/l	97
6) Chloroethane	2.93	64	18919	52.736	ug/l	99
7) Trichlorofluoromethane	3.26	101	33899	48.112	ug/l	94
8) Diethyl Ether	3.68	74	17261	47.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40611	48.502	ug/l	100
10) Methyl Iodide	4.26	142	64469	47.859	ug/l	97
11) Tert butyl alcohol	5.18	59	10248	178.650	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	39010	48.673	ug/l	97
13) Acrolein	3.89	56	9316	239.692	ug/l	98
14) Allyl chloride	4.67	41	55641	51.244	ug/l	96
15) Acrylonitrile	5.37	53	31361	235.613	ug/l	98
16) Acetone	4.12	43	35127	257.006	ug/l	96
17) Carbon Disulfide	4.37	76	121533	49.641	ug/l	97
18) Methyl Acetate	4.67	43	17576	49.586	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	57514	45.599	ug/l	100
20) Methylene Chloride	4.91	84	37619	44.363	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	42140	48.325	ug/l	97
22) Diisopropyl ether	6.31	45	96270	49.397	ug/l	97
23) Vinyl Acetate	6.26	43	263138	241.318	ug/l	99
24) 1,1-Dichloroethane	6.21	63	69138	47.746	ug/l	99
25) 2-Butanone	7.17	43	39526	245.448	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56748	47.566	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	43568	46.904	ug/l	98
28) Bromochloromethane	7.51	49	22895	49.192	ug/l	99
29) Tetrahydrofuran	7.52	42	22906	228.997	ug/l	98
30) Chloroform	7.67	83	75898	46.767	ug/l	96
31) Cyclohexane	7.96	56	63978	47.403	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	74986	48.288	ug/l	98
36) 1,1-Dichloropropene	8.08	75	62264	49.178	ug/l	99
37) Ethyl Acetate	7.25	43	17048	44.827	ug/l	99
38) Carbon Tetrachloride	8.07	117	71609	47.194	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77195	48.914	ug/l	99
40) Benzene	8.32	78	159052	47.619	ug/l	98
41) Methacrylonitrile	7.48	41	12152	54.346	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50809	45.656	ug/l	100
43) Isopropyl Acetate	8.42	43	36255	47.711	ug/l	99
44) Trichloroethene	9.09	130	45677	46.343	ug/l	99
45) 1,2-Dichloropropane	9.37	63	35114	48.569	ug/l	99
46) Dibromomethane	9.46	93	19356	45.792	ug/l	97
47) Bromodichloromethane	9.64	83	55248	46.666	ug/l	98
48) Methyl methacrylate	9.43	41	18741	48.914	ug/l	95
49) 1,4-Dioxane	9.45	88	5229	835.939	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	82670	235.029	ug/l	100
52) Toluene	10.39	92	104233	47.270	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	54588	47.950	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	61556	48.456	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	26892	46.989	ug/l	94
56) Ethyl methacrylate	10.65	69	31769	49.103	ug/l	97
57) 1,3-Dichloropropane	10.93	76	45150	46.429	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	76402	248.995	ug/l	97
59) 2-Hexanone	10.97	43	58343	240.265	ug/l	99
60) Dibromochloromethane	11.13	129	34772	44.387	ug/l	98
61) 1,2-Dibromoethane	11.24	107	25380	44.315	ug/l	98
64) Tetrachloroethene	10.86	164	37825	52.908	ug/l	97
65) Chlorobenzene	11.66	112	113949	51.515	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	40065	50.017	ug/l	97
67) Ethyl Benzene	11.73	91	205591	52.364	ug/l	99
68) m/p-Xylenes	11.84	106	147390	97.102	ug/l	95
69) o-Xylene	12.17	106	71272	50.462	ug/l	98
70) Styrene	12.18	104	116036	50.405	ug/l	98
71) Bromoform	12.35	173	17223	46.409	ug/l	# 98
73) Isopropylbenzene	12.47	105	210483	53.855	ug/l	97
74) N-amyl acetate	12.27	43	31095	51.112	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	25484	51.246	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	16139m	41.275	ug/l	
77) Bromobenzene	12.75	156	43086	51.290	ug/l	97
78) n-propylbenzene	12.81	91	228235	50.368	ug/l	97
79) 2-Chlorotoluene	12.90	91	135148	51.605	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	172113	51.161	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	8271	50.023	ug/l	97
82) 4-Chlorotoluene	12.99	91	142461	51.157	ug/l	96
83) tert-Butylbenzene	13.21	119	153617	52.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	182487	53.554	ug/l	92
85) sec-Butylbenzene	13.38	105	208152	51.409	ug/l	99
86) p-Isopropyltoluene	13.51	119	185314	50.742	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	86456	51.008	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	84872	50.578	ug/l	96
89) n-Butylbenzene	13.83	91	175938	52.668	ug/l	98
90) Hexachloroethane	14.10	117	32489	51.268	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	74370	49.931	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4931	48.856	ug/l	94

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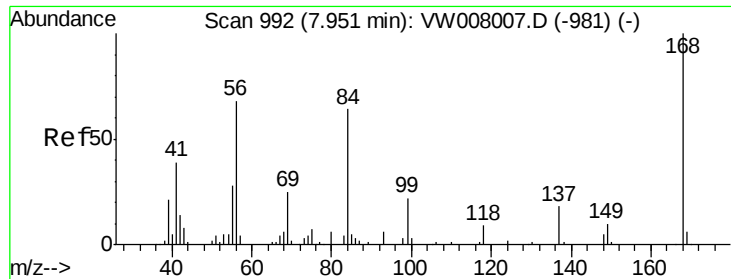
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	48577	46.436	ug/l	96
94) Hexachlorobutadiene	15.24	225	29387	48.653	ug/l	98
95) Naphthalene	15.38	128	89891	50.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	41668	48.408	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 79829

Ion Ratio Lower Upper

168 100

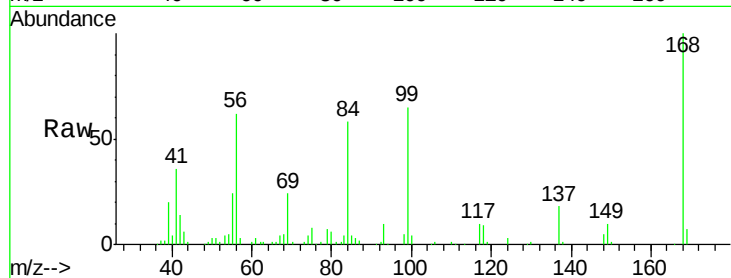
99 64.9 51.6 77.4

Manual Integrations

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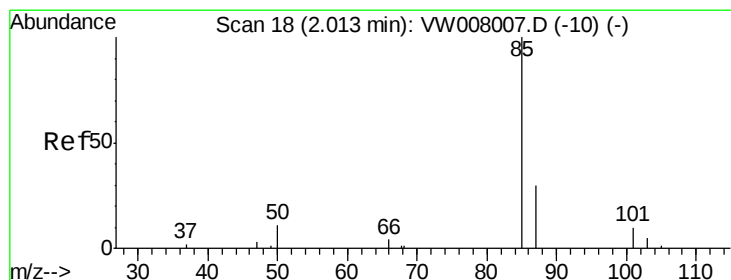
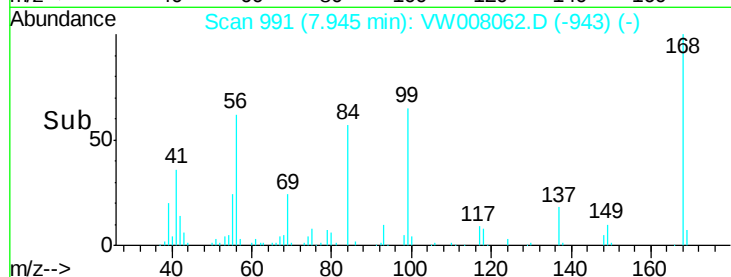
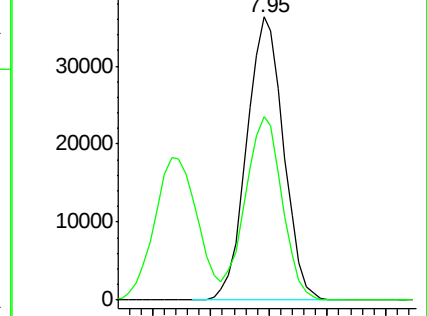
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.156 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008062.D

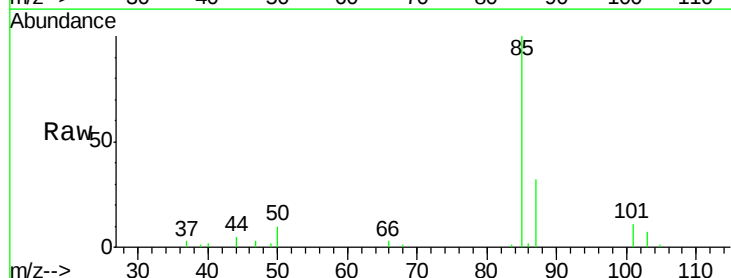
Acq: 07 Jan 2019 11:39

Tgt Ion: 85 Resp: 34545

Ion Ratio Lower Upper

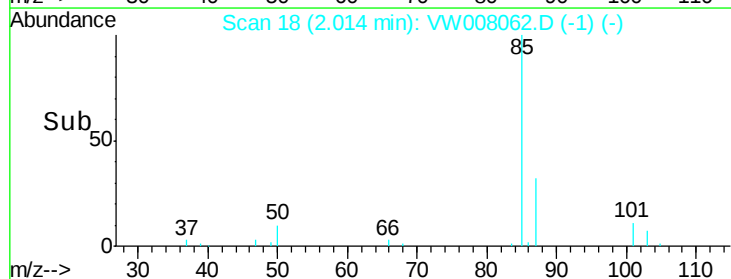
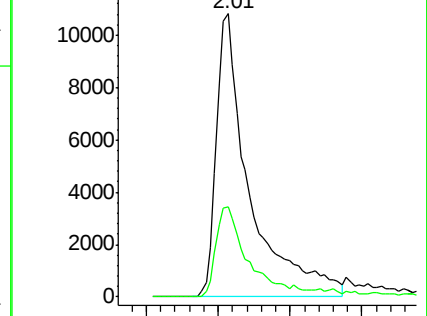
85 100

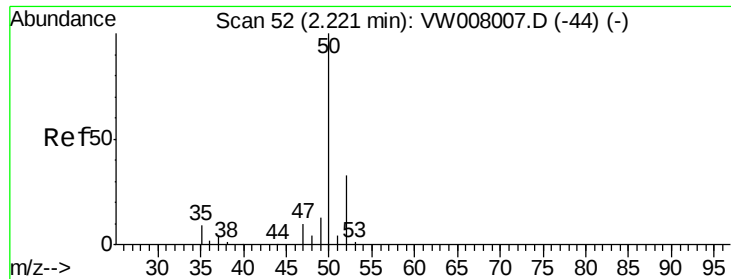
87 32.0 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.816 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 25443

Ion Ratio Lower Upper

50 100

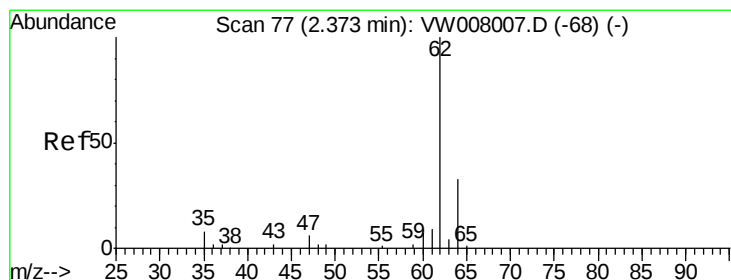
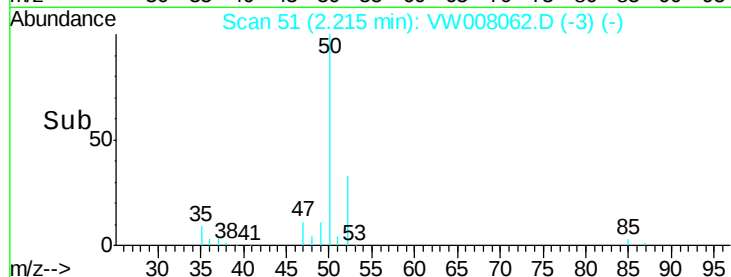
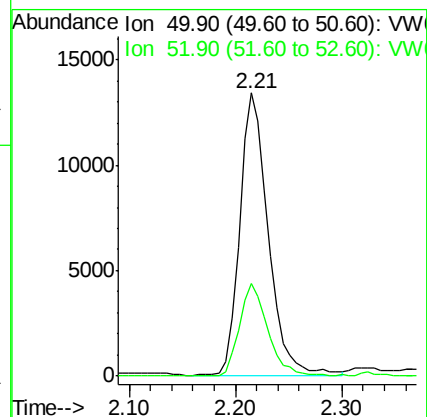
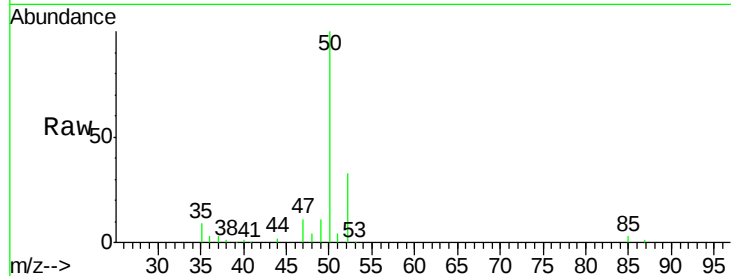
52 32.6 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.267 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008062.D

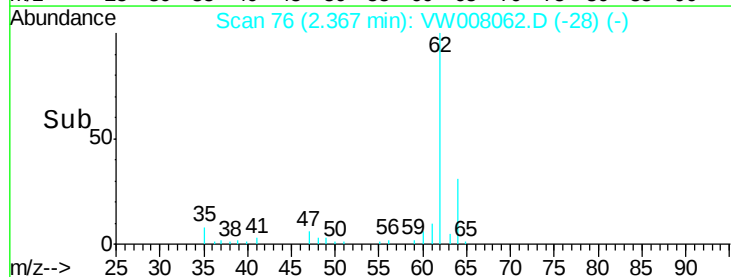
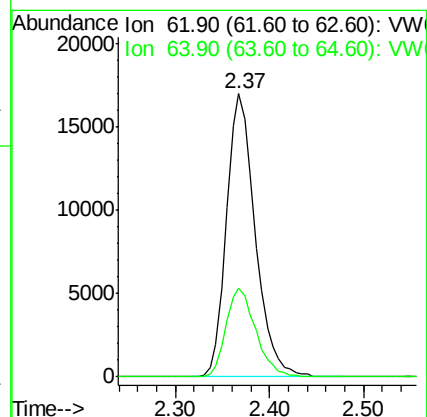
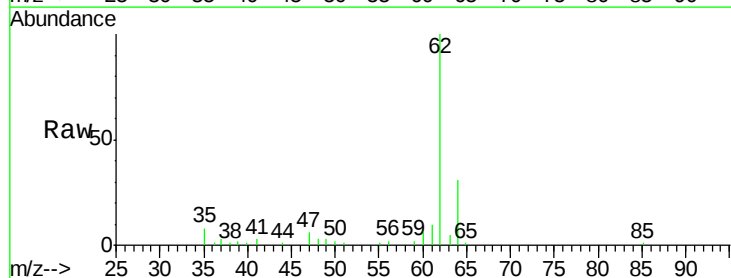
Acq: 07 Jan 2019 11:39

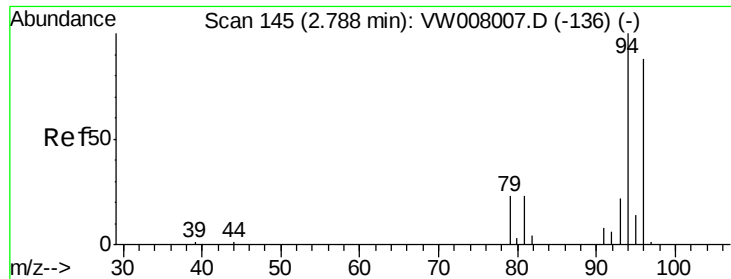
Tgt Ion: 62 Resp: 35984

Ion Ratio Lower Upper

62 100

64 31.5 26.8 40.2





#5

Bromomethane

Concen: 50.110 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 22346

Ion Ratio Lower Upper

94 100

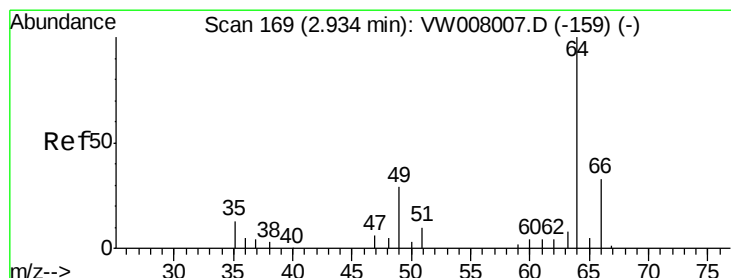
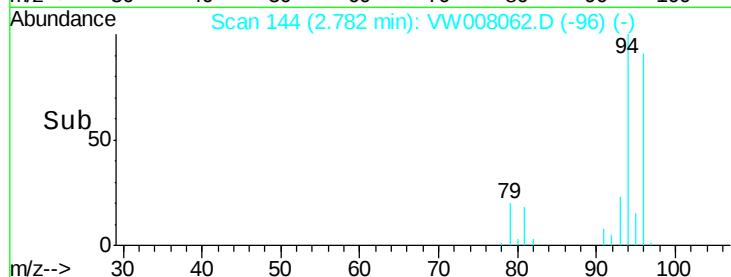
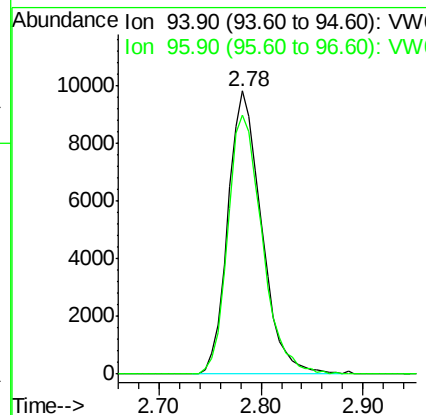
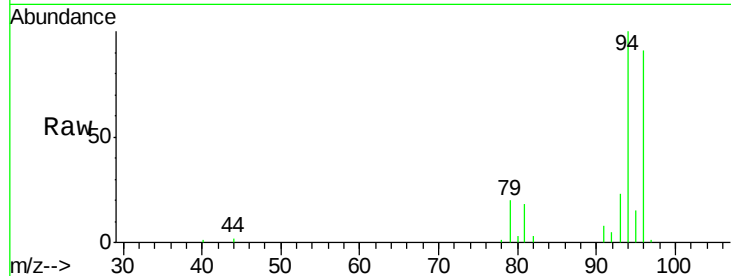
96 91.5 70.7 106.1

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#6

Chloroethane

Concen: 52.736 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008062.D

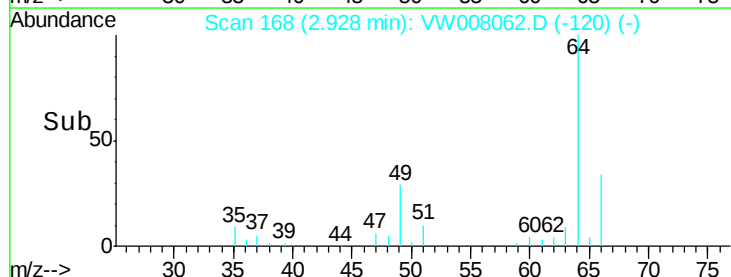
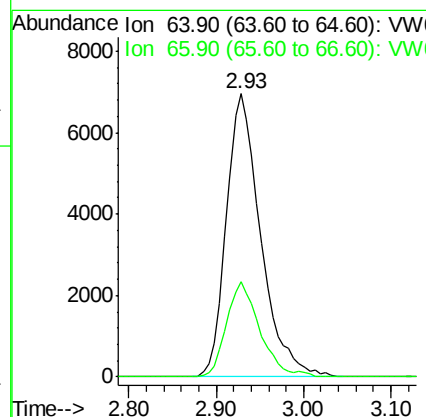
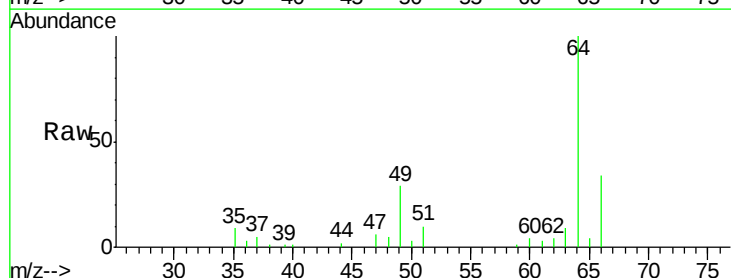
Acq: 07 Jan 2019 11:39

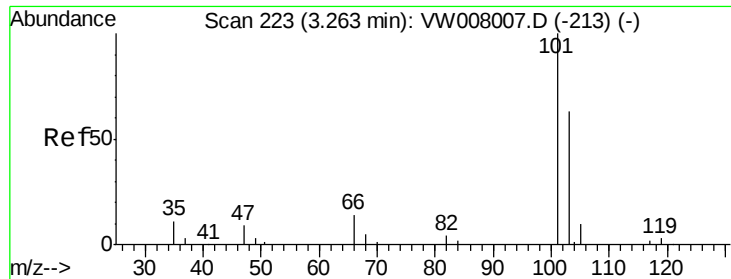
Tgt Ion: 64 Resp: 18919

Ion Ratio Lower Upper

64 100

66 33.6 26.6 39.8





#7

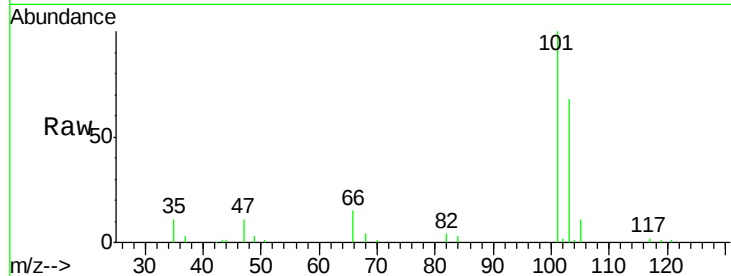
Trichlorofluoromethane
Concen: 48.112 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008062.D
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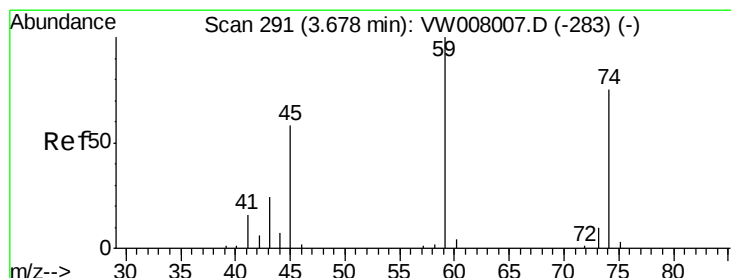
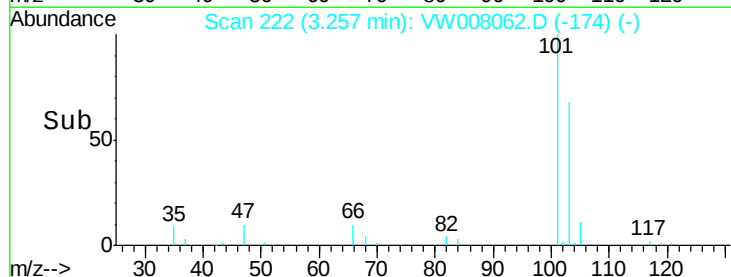
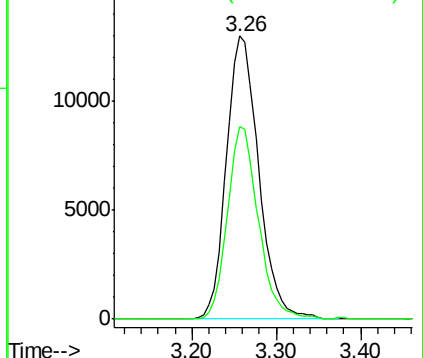
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		33899		
103	67.8	50.5	75.7		

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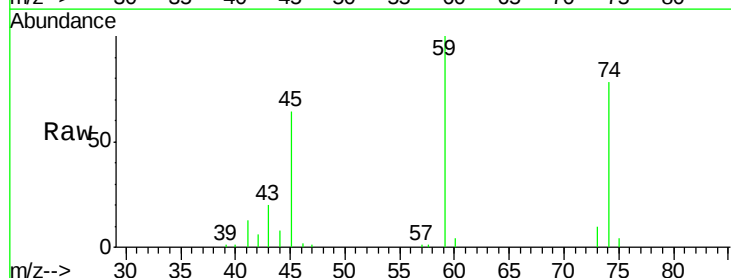
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



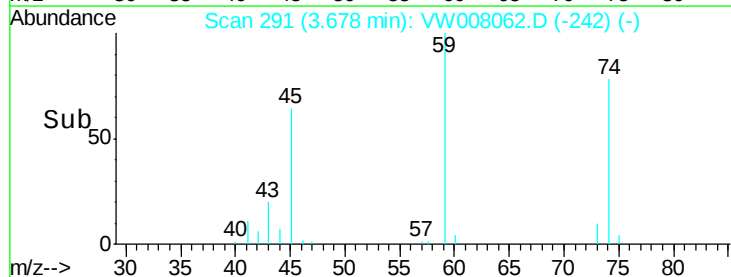
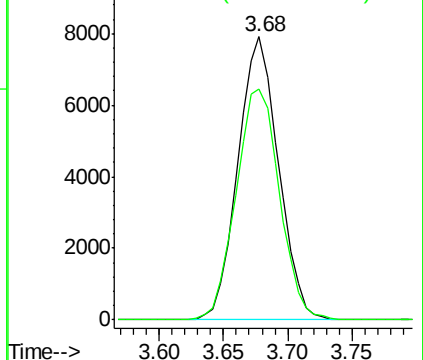
#8

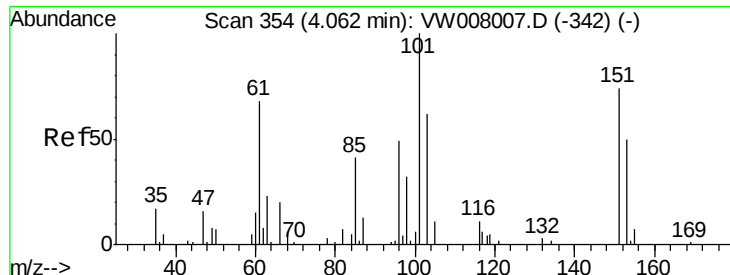
Diethyl Ether
Concen: 47.697 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008062.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17261		
45	87.5	41.4	124.2		



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.502 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

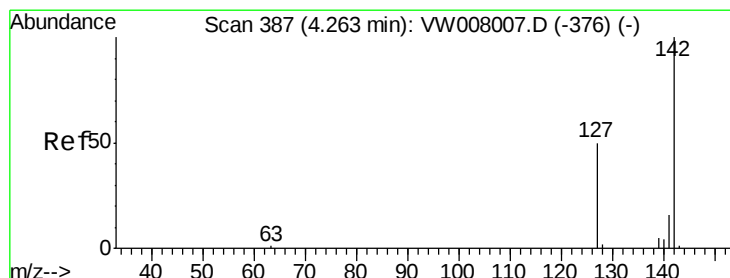
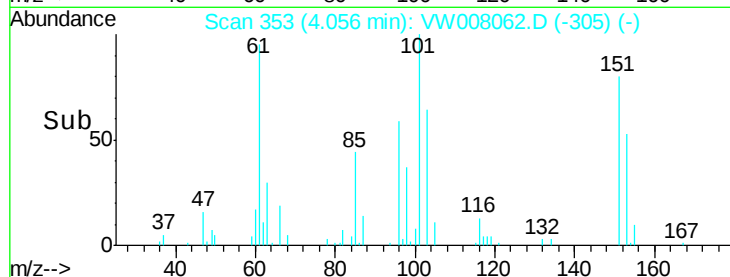
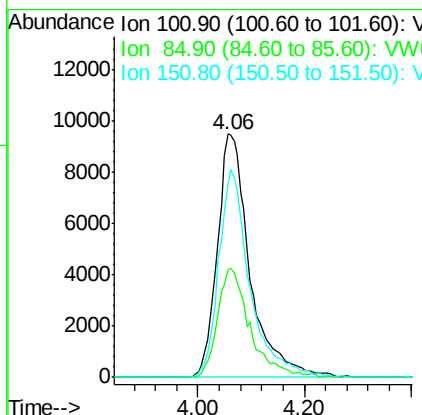
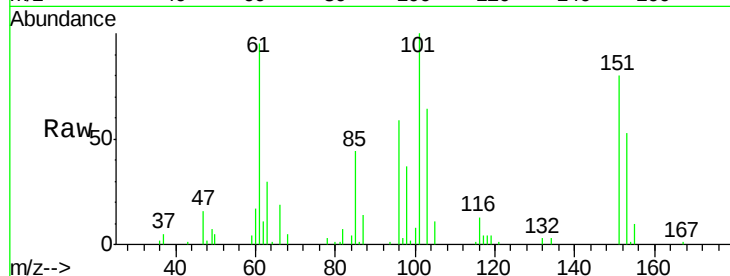
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	40611
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	81.7	65.3	97.9

Manual Integrations
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#10

Methyl Iodide

Concen: 47.859 ug/l

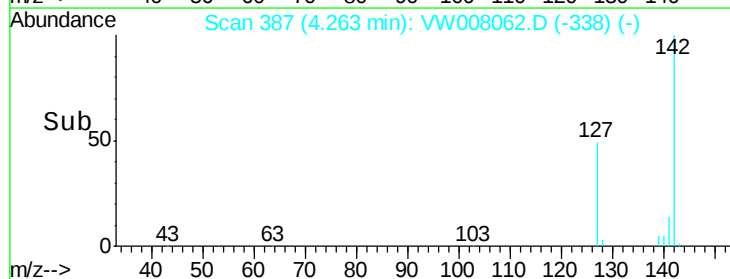
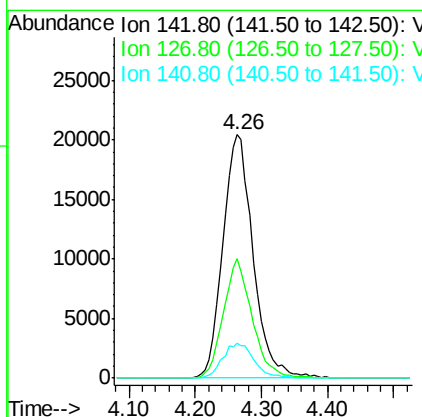
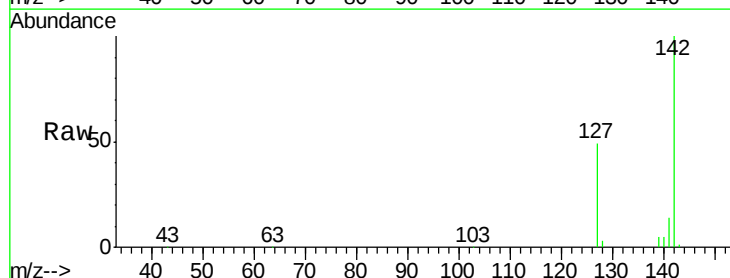
RT: 4.26 min Scan# 387

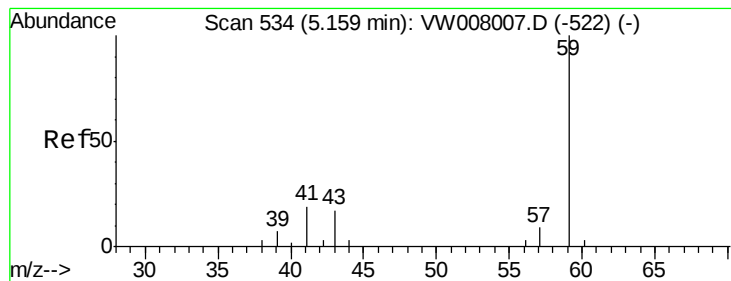
Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion:	142	Resp:	64469
Ion Ratio	Lower	Upper	
142	100		
127	46.7	39.4	59.0
141	14.9	12.1	18.1





#11

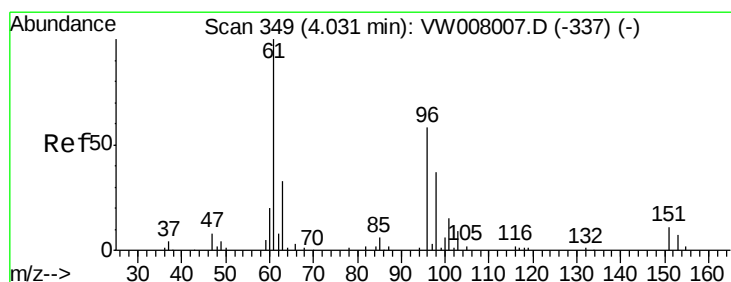
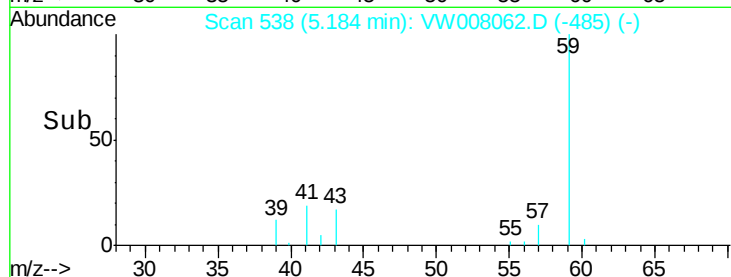
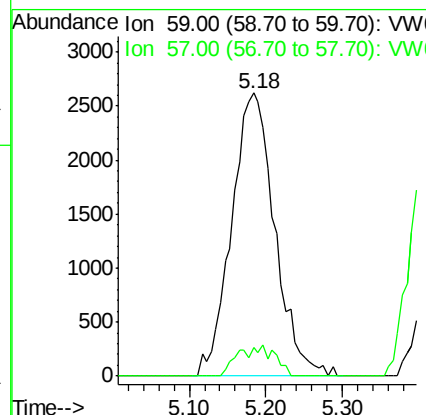
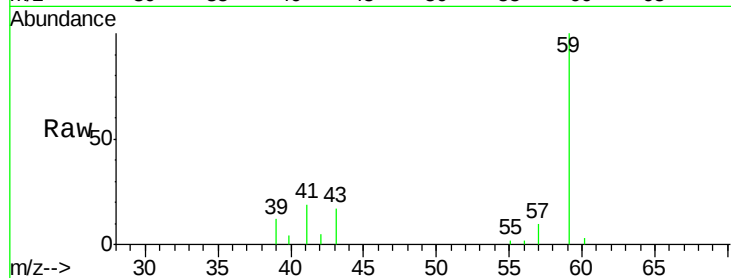
Tert butyl alcohol
Concen: 178.650 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	9.0	13.4#

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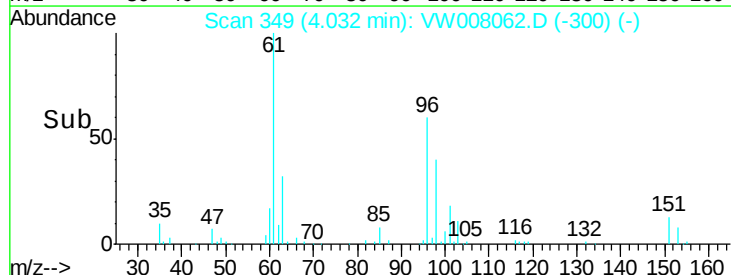
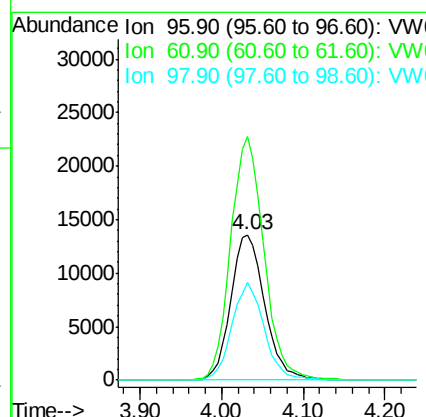
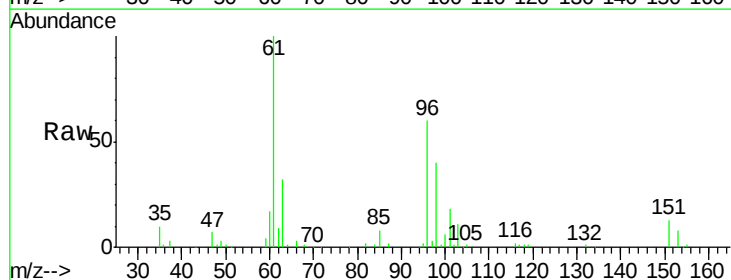
MMDadoda
1/8/2019 11:53:28 AM

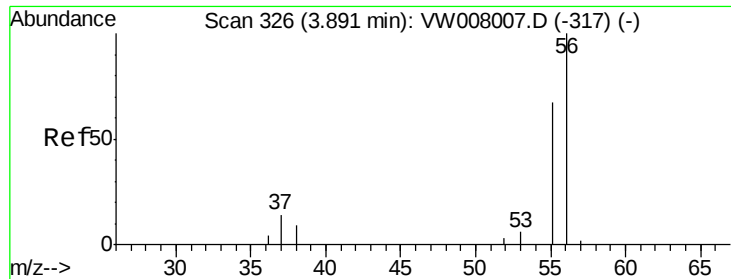


#12

1,1-Dichloroethene
Concen: 48.673 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	137.3	205.9
98	66.9	50.5	75.7





#13

Acrolein

Concen: 239.692 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 9316

Ion Ratio Lower Upper

56 100

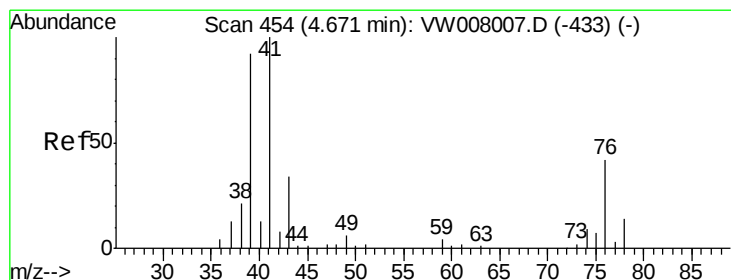
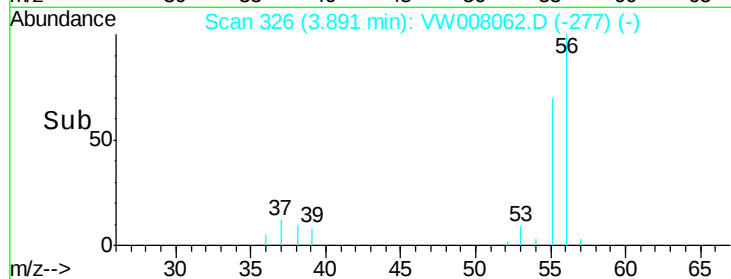
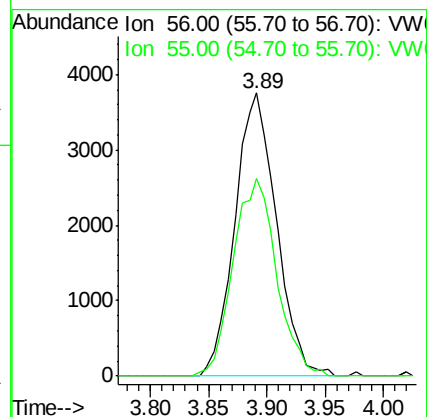
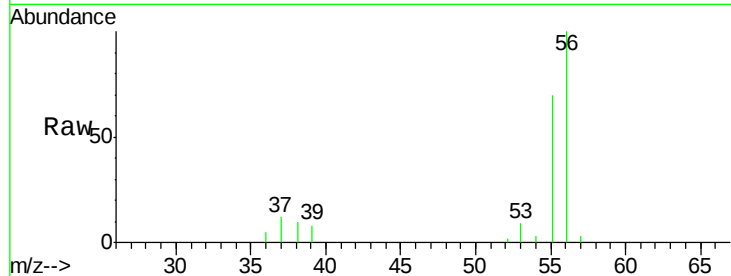
55 72.9 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 51.244 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

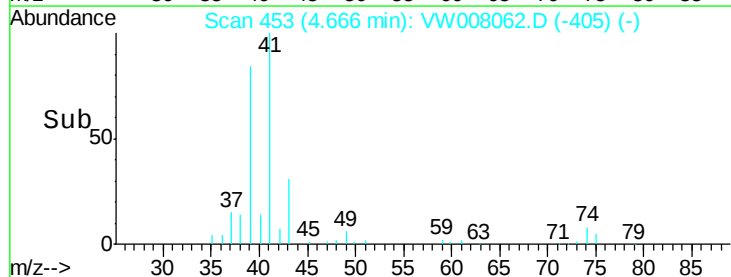
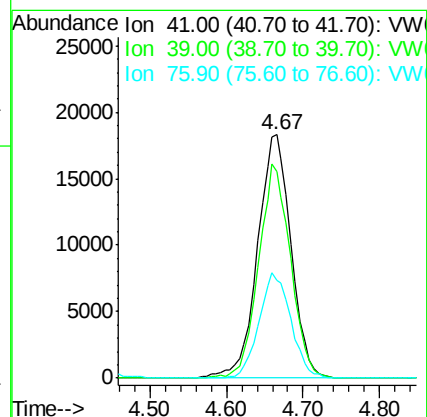
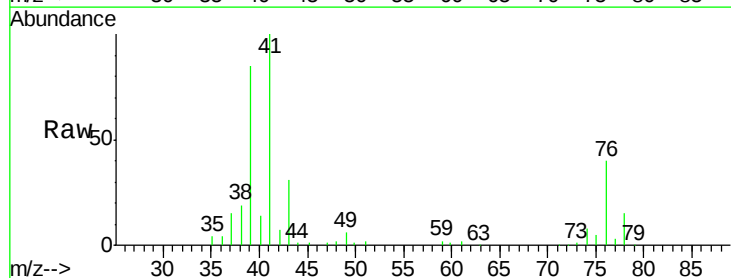
Tgt Ion: 41 Resp: 55641

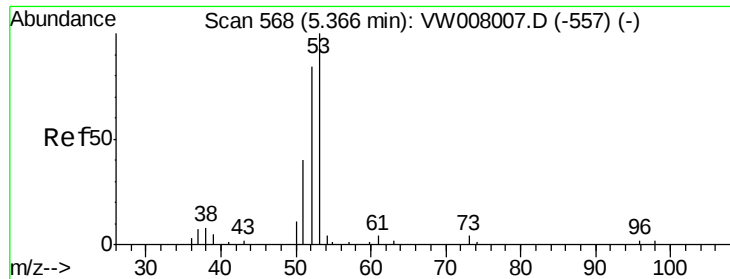
Ion Ratio Lower Upper

41 100

39 84.0 71.1 106.7

76 41.2 33.4 50.2





#15

Acrylonitrile

Concen: 235.613 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

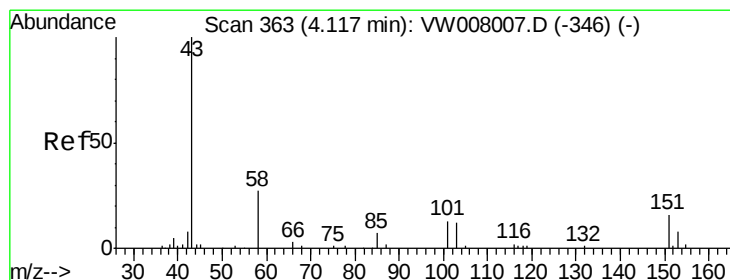
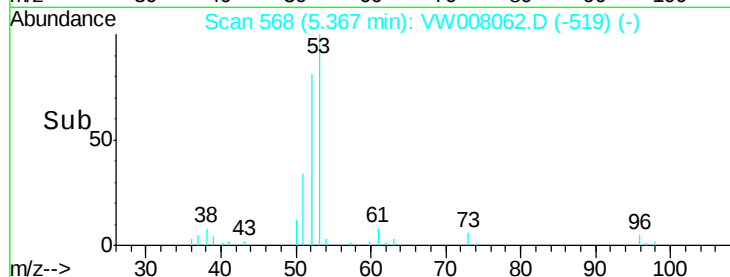
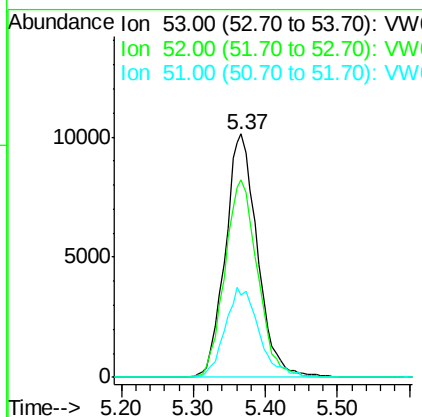
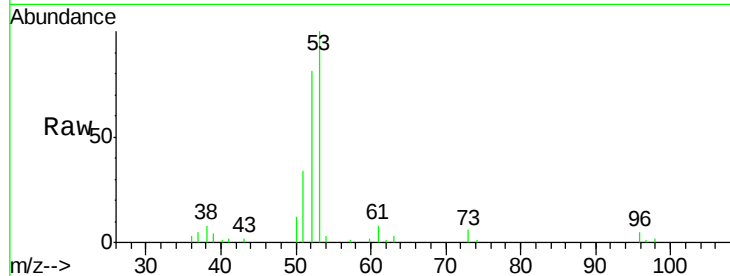
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	31361
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.8	101.8
51	38.7	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 257.006 ug/l

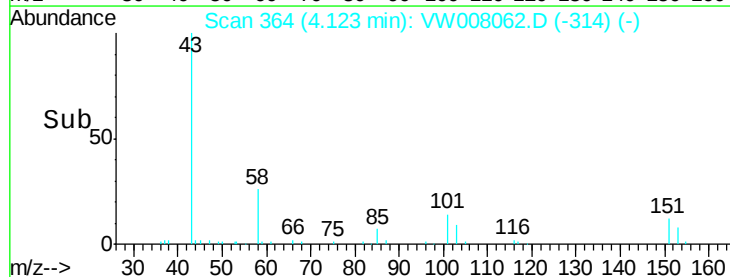
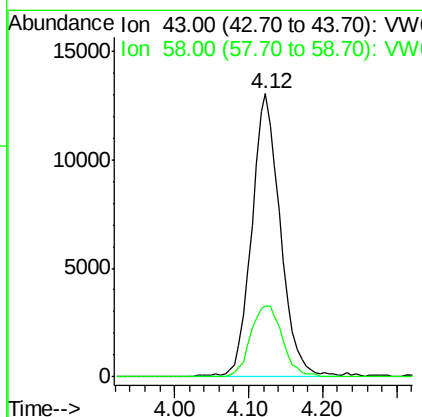
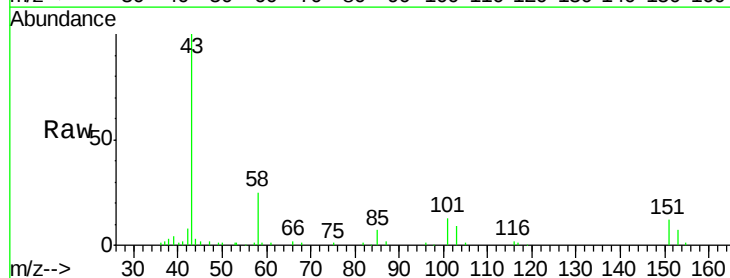
RT: 4.12 min Scan# 364

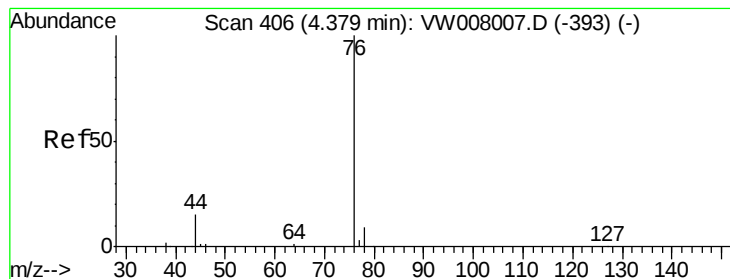
Delta R.T. 0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion:	43	Resp:	35127
Ion	Ratio	Lower	Upper
43	100		
58	25.0	21.7	32.5





#17

Carbon Disulfide

Concen: 49.641 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tot Ion: 76 Resp: 121533

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4

Instrument :

MSVOA_W

ClientSampled :

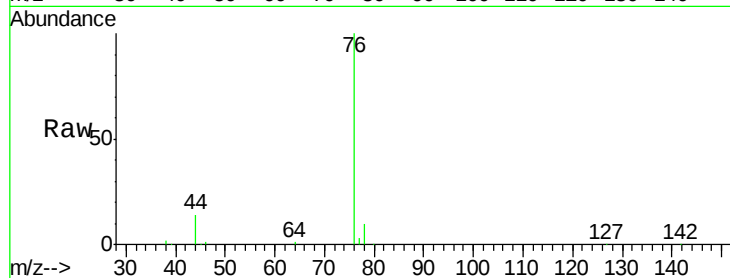
VSTDCCC050

Manual Integrations

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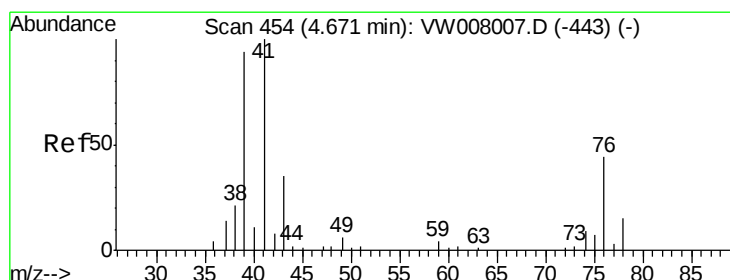
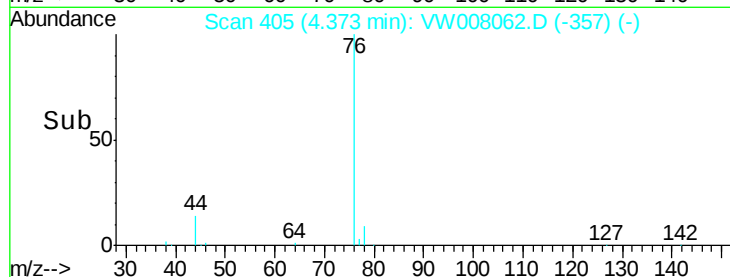
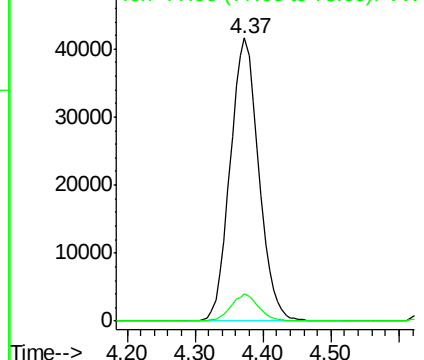
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 49.586 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008062.D

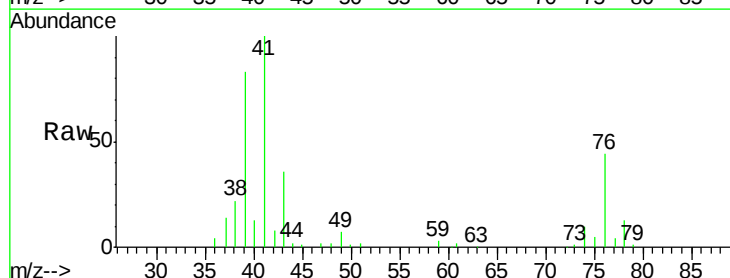
Acq: 07 Jan 2019 11:39

Tgt Ion: 43 Resp: 17576

Ion Ratio Lower Upper

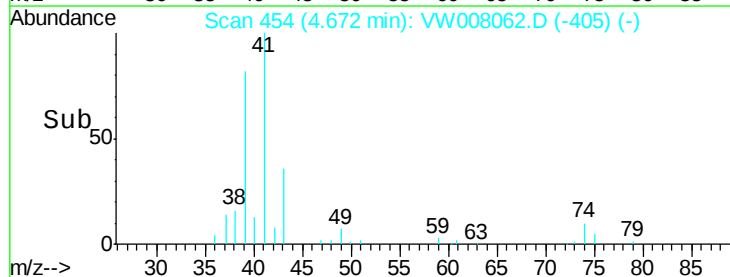
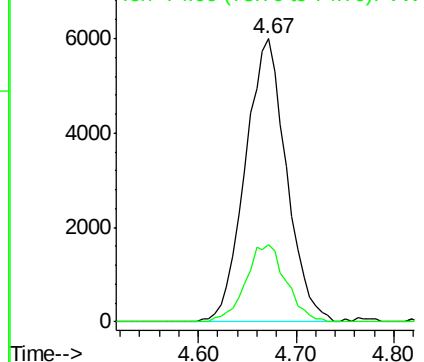
43 100

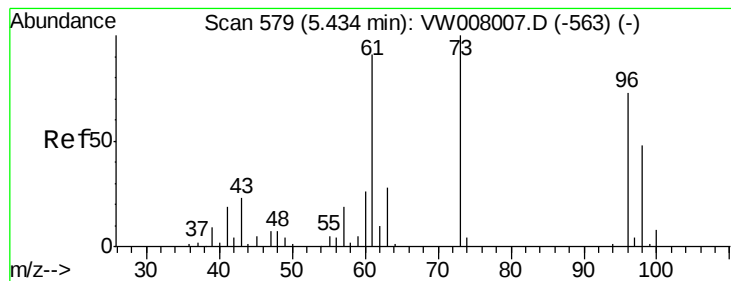
74 26.8 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

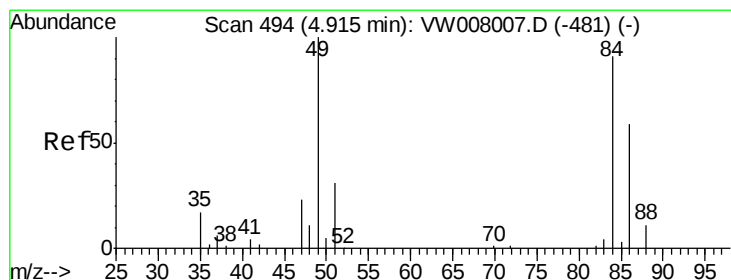
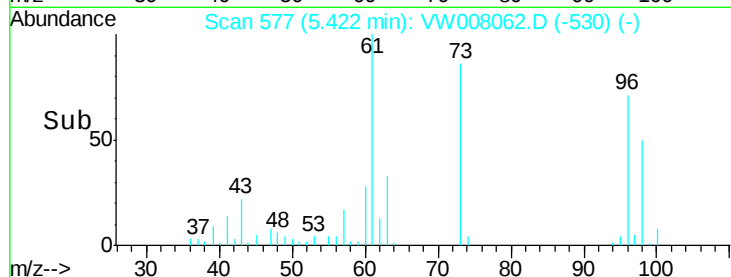
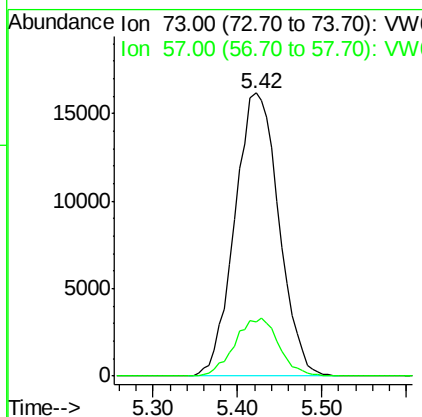
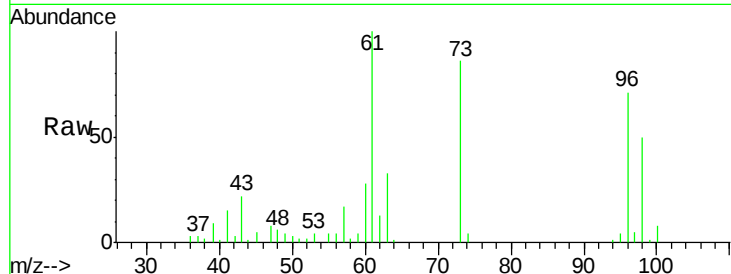
Methyl tert-butyl Ether
 Concen: 45.599 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	15.4	23.0

Manual Integrations
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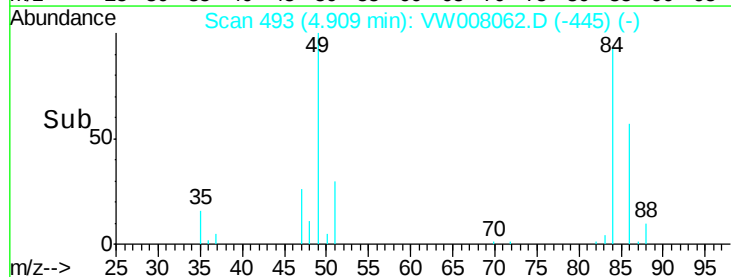
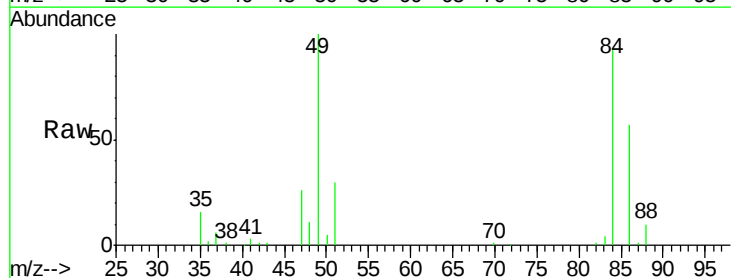
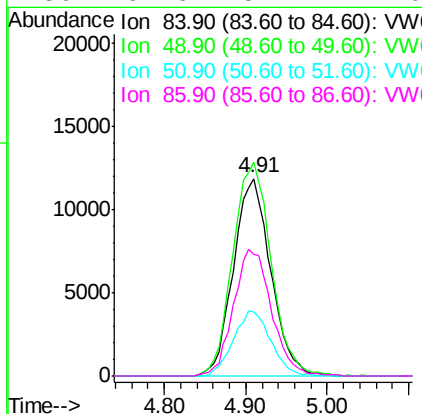
MMDadoda
 1/8/2019 11:53:28 AM

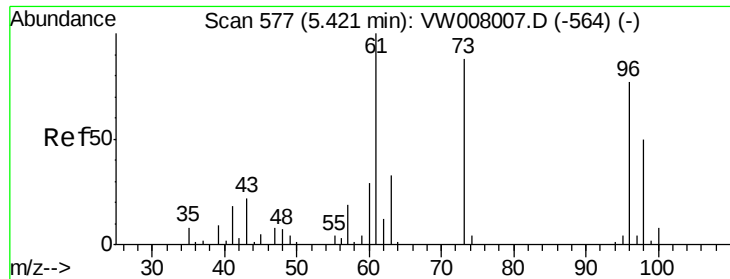


#20

Methylene Chloride
 Concen: 44.363 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.0	87.7	131.5
51	32.5	27.3	40.9
86	61.6	51.4	77.0





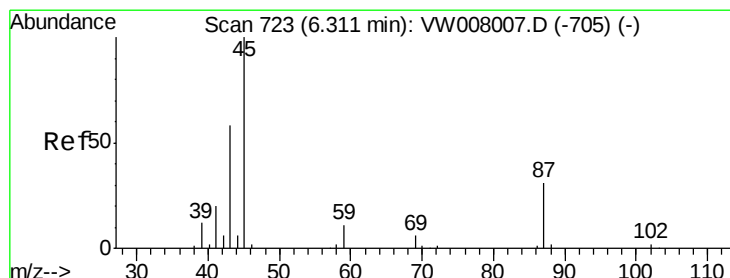
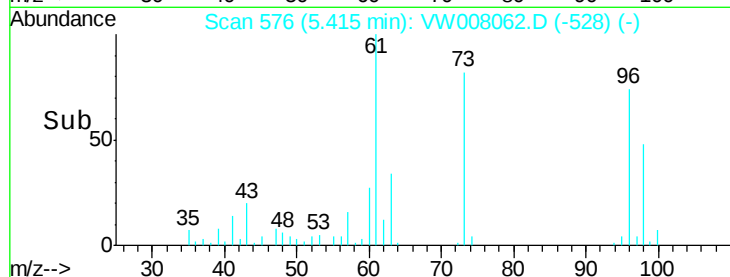
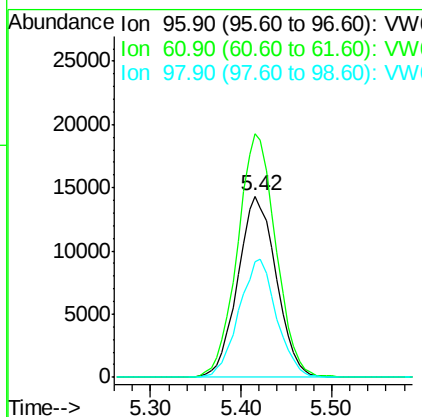
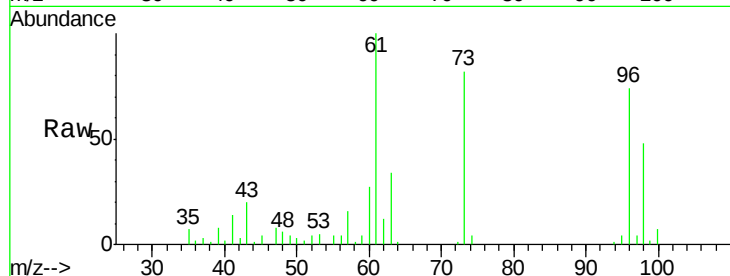
#21
trans-1,2-Dichloroethene
Concen: 48.325 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	104.2	156.2
98	64.0	51.8	77.6

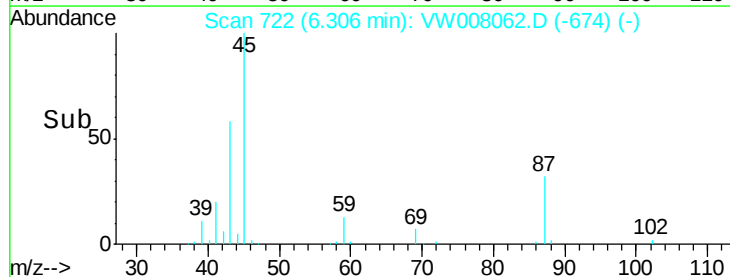
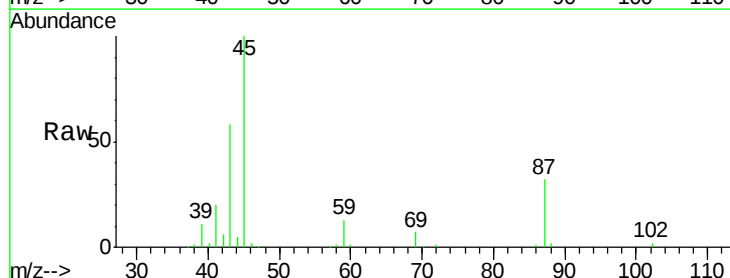
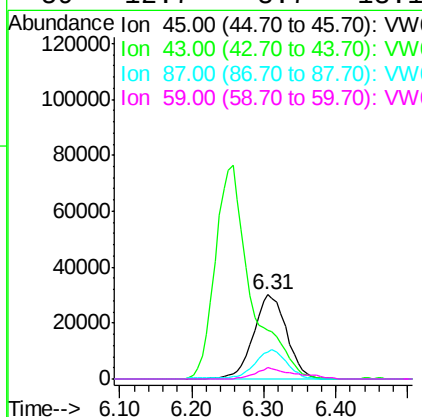
Manual Integrations
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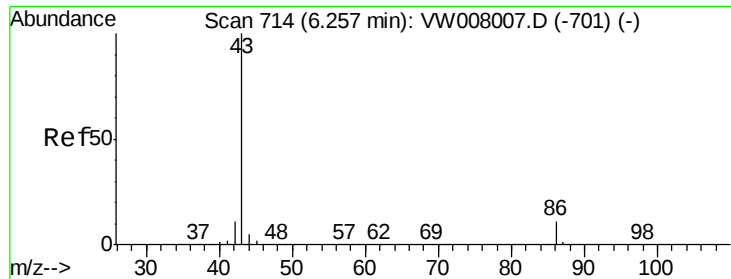
MMDadoda
1/8/2019 11:53:28 AM



#22
Diisopropyl ether
Concen: 49.397 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.1	72.1
87	32.1	25.8	38.8
59	12.7	8.7	13.1





#23

Vinyl Acetate

Concen: 241.318 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 263138

Ion Ratio Lower Upper

43 100

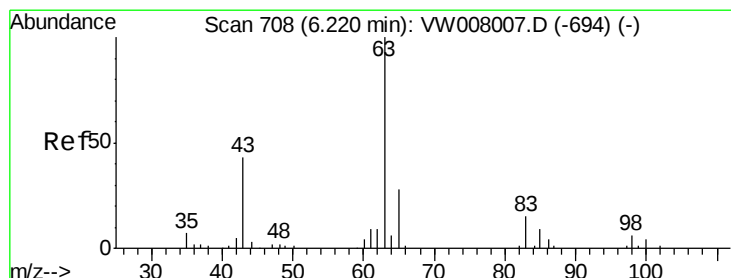
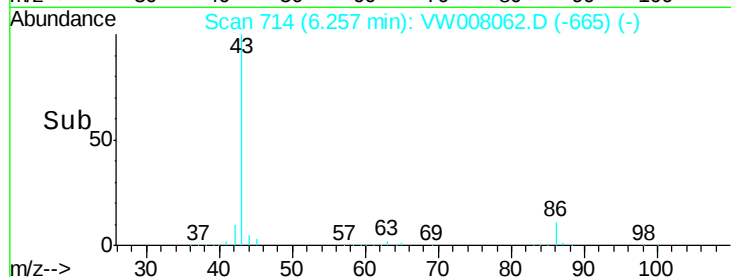
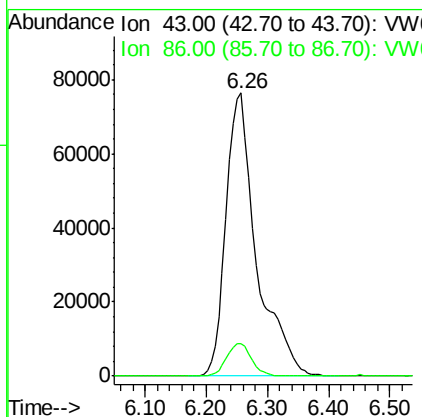
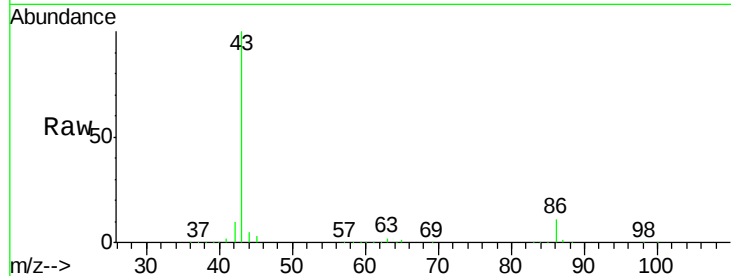
86 11.3 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.746 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

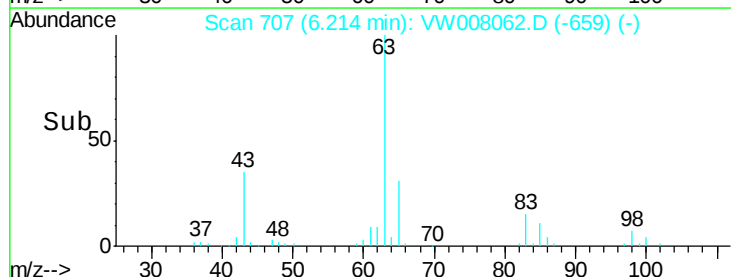
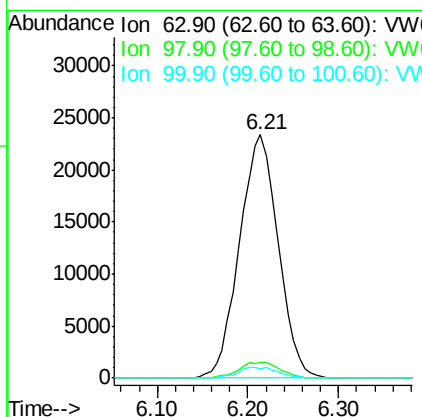
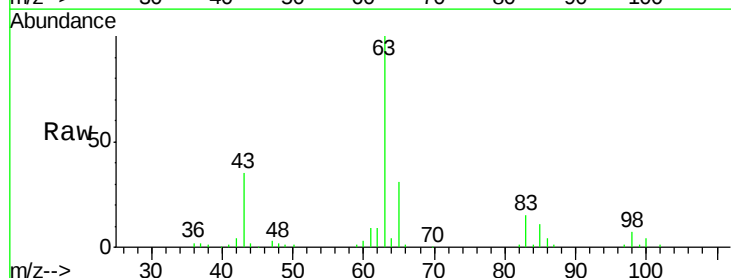
Tgt Ion: 63 Resp: 69138

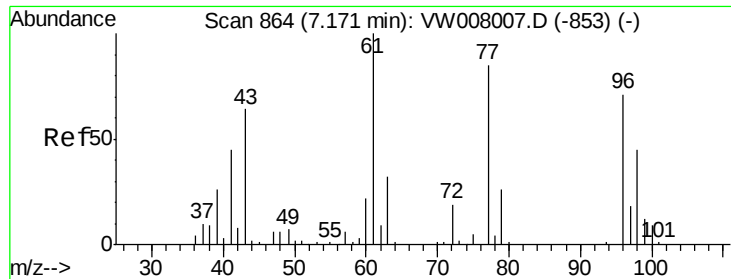
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 245.448 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 39526

Ion Ratio Lower Upper

43 100

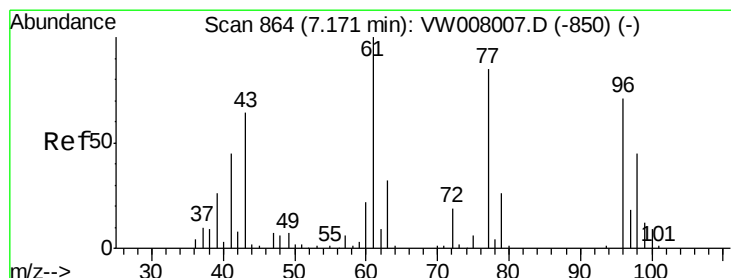
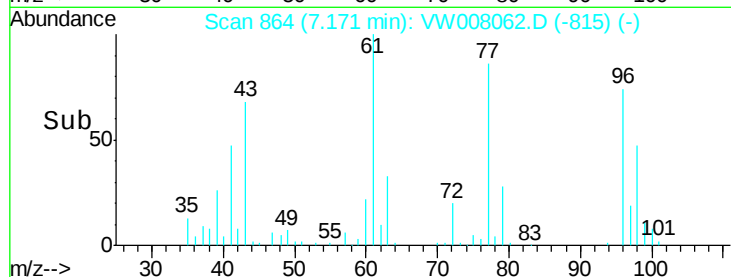
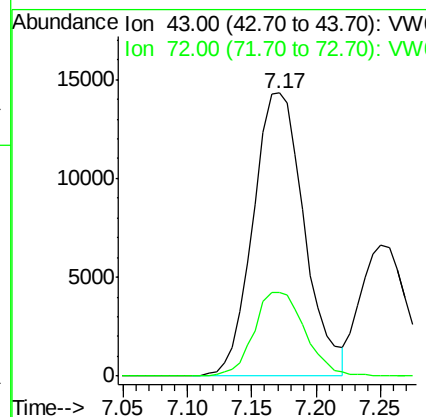
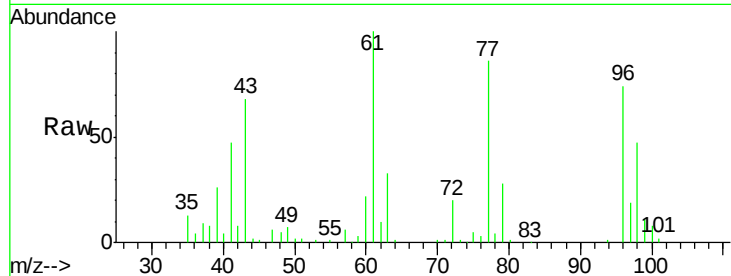
72 29.6 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:28 AM



#26

2,2-Dichloropropane

Concen: 47.566 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008062.D

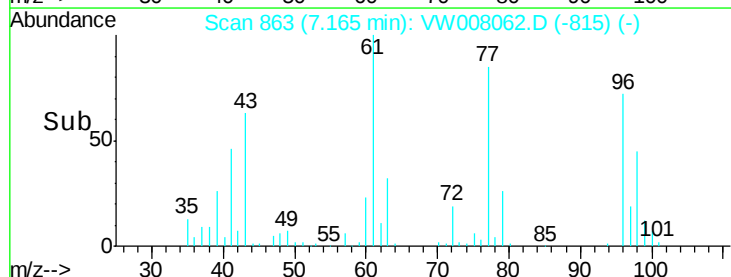
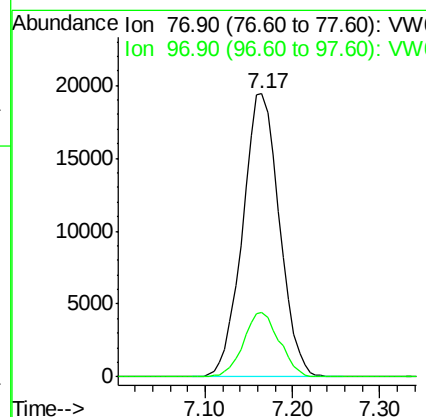
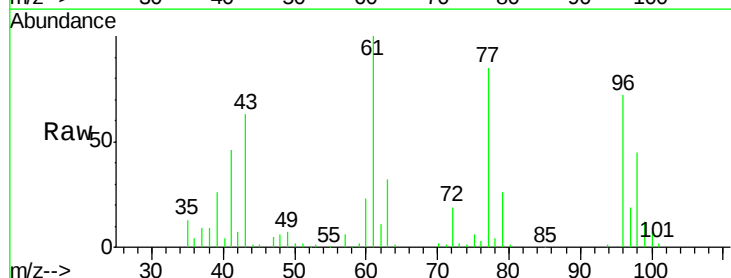
Acq: 07 Jan 2019 11:39

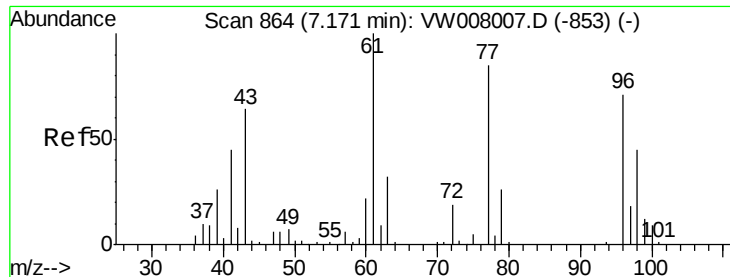
Tgt Ion: 77 Resp: 56748

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0





#27

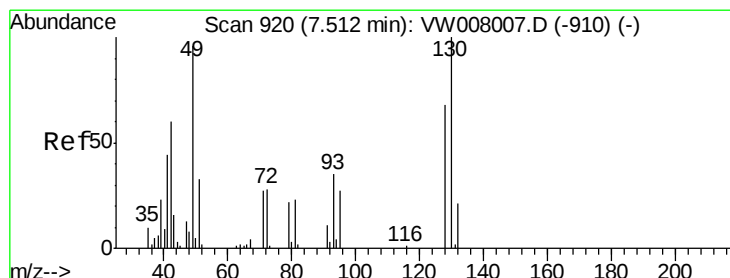
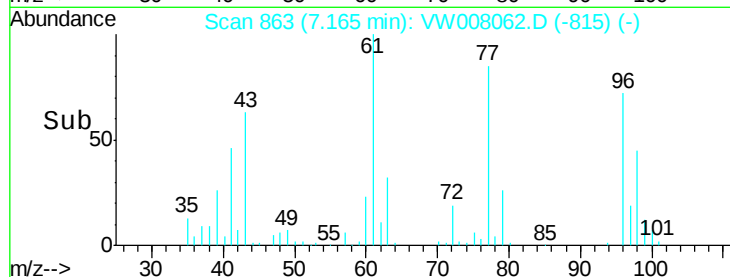
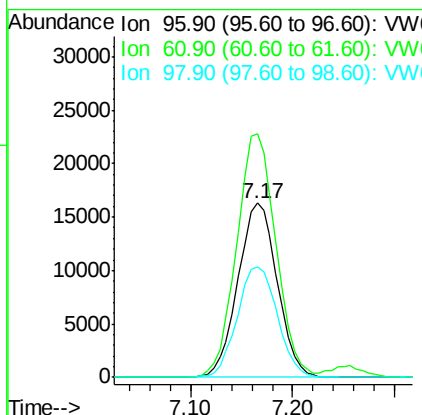
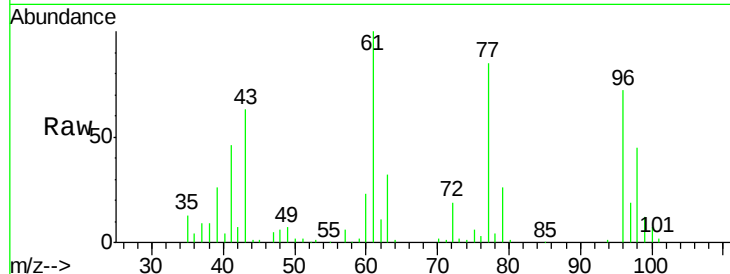
cis-1,2-Dichloroethene
Concen: 46.904 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	286.4
98	64.7	0.0	130.6

Manual Integrations
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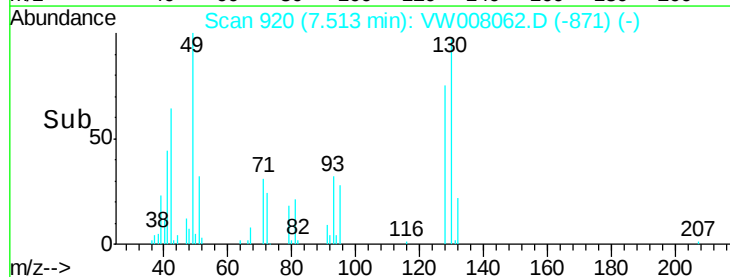
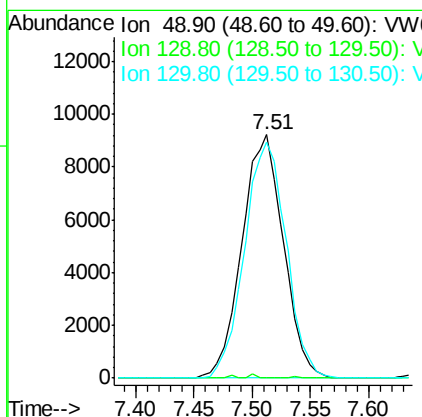
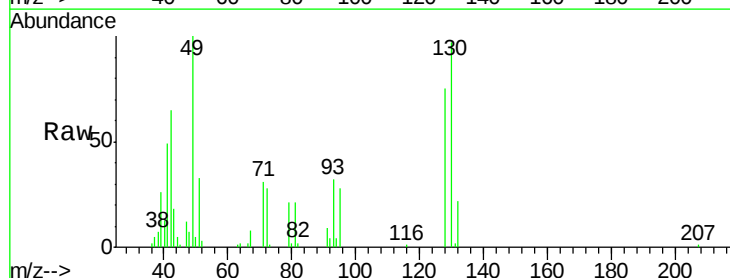
MMDadoda
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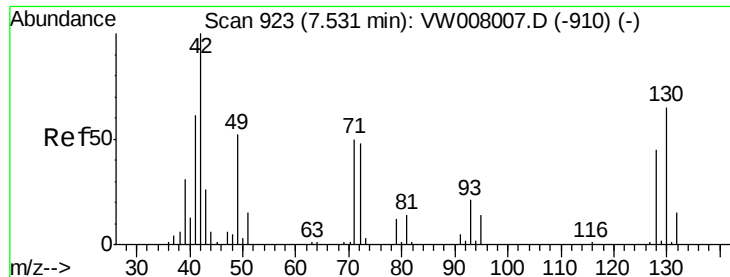


#28

Bromochloromethane
Concen: 49.192 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	0.8
130	97.5	78.5	117.7





#29

Tetrahydrofuran

Concen: 228.997 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

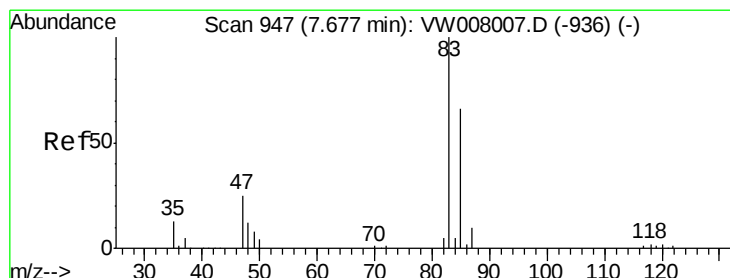
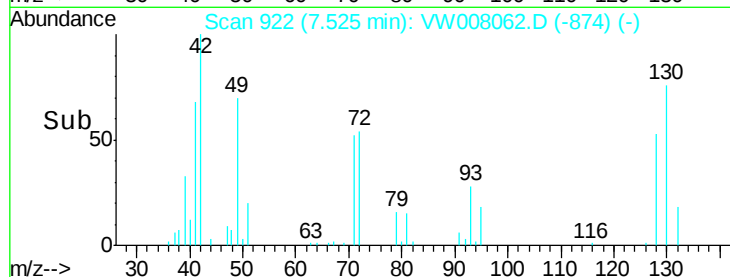
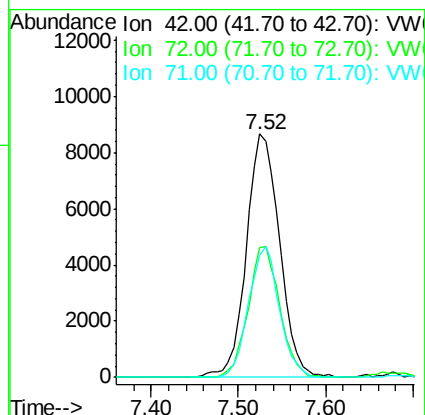
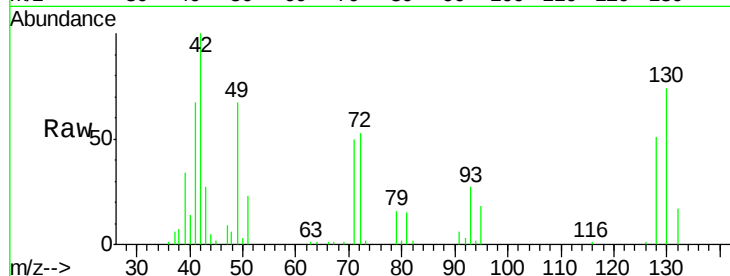
ClientSampled :

VSTDCCC050

Tot Ion:	42	Resp:	22906
Ion	Ratio	Lower	Upper
42	100		
72	50.9	39.0	58.6
71	49.4	39.1	58.7

Manual Integrations
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#30

Chloroform

Concen: 46.767 ug/l

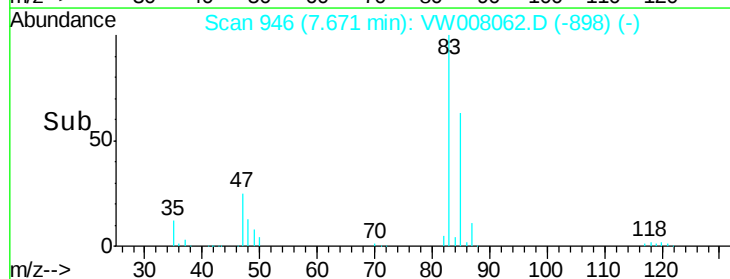
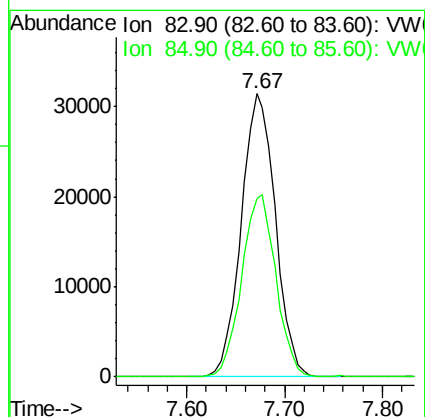
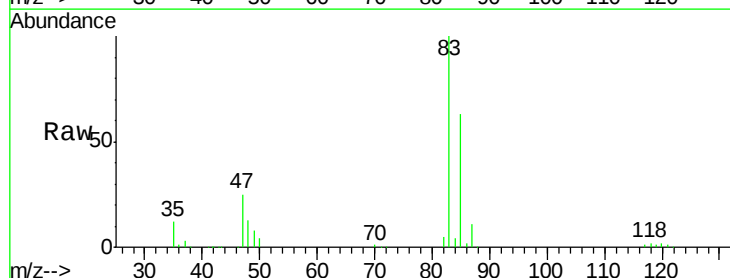
RT: 7.67 min Scan# 946

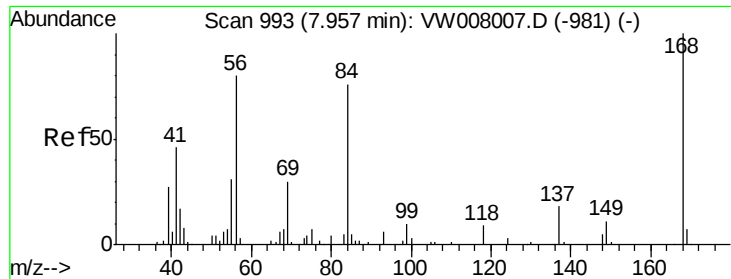
Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion:	83	Resp:	75898
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.7	79.1





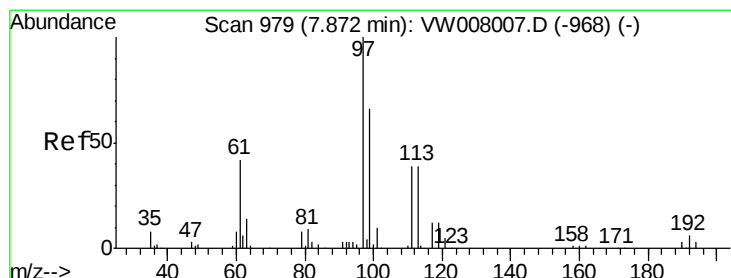
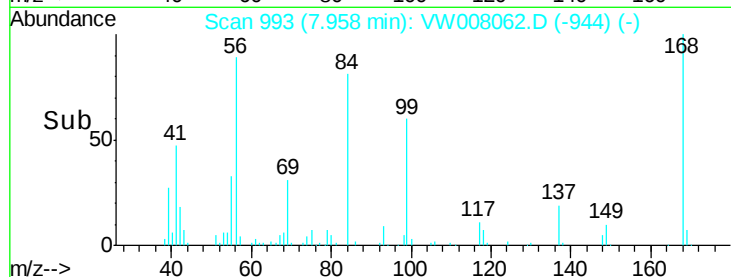
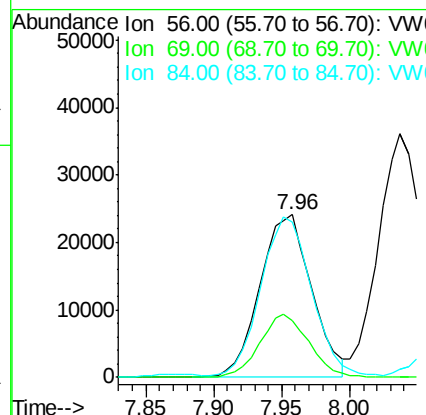
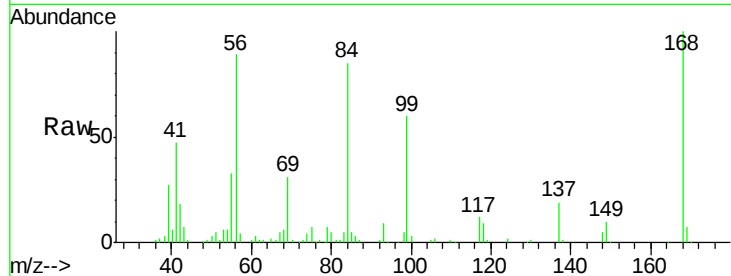
#31
Cyclohexane
Concen: 47.403 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	29.8	44.6
84	93.8	75.2	112.8

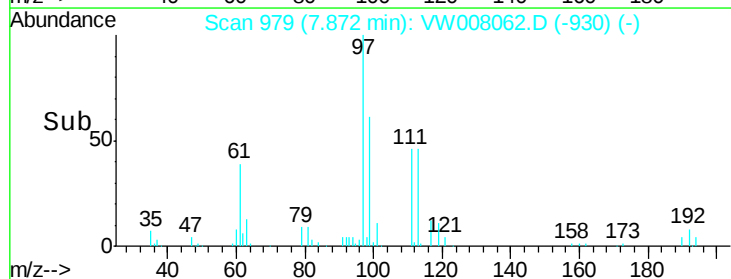
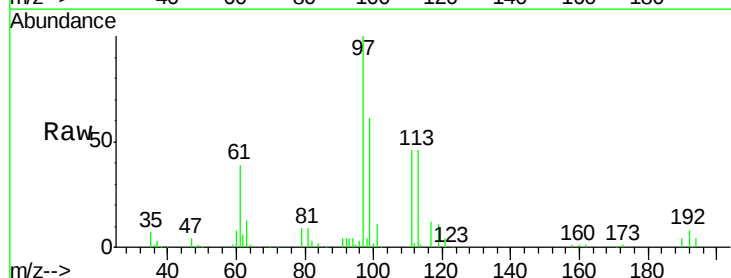
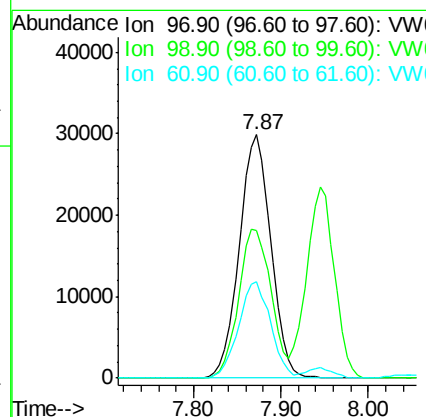
Manual Integrations
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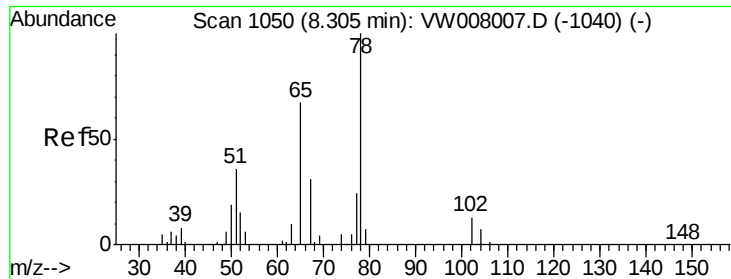
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#32
1,1,1-Trichloroethane
Concen: 48.288 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	40.1	33.4	50.0





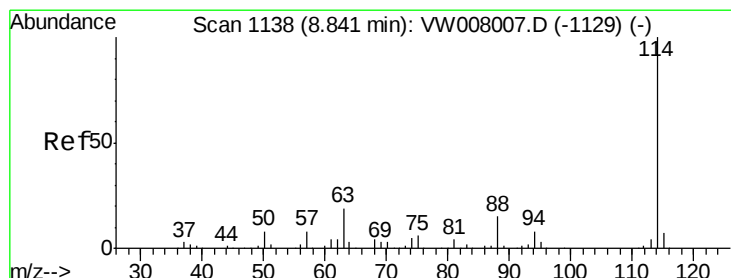
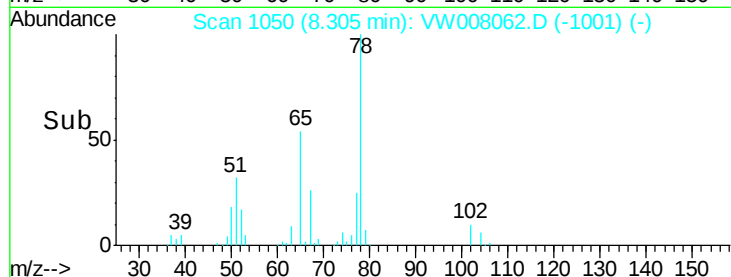
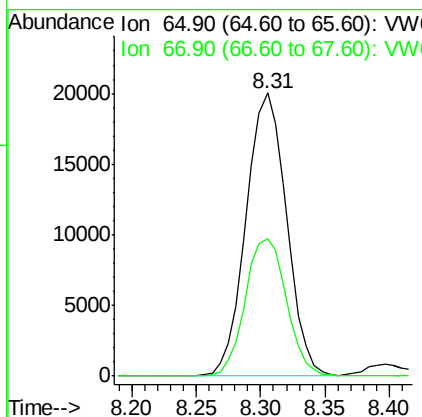
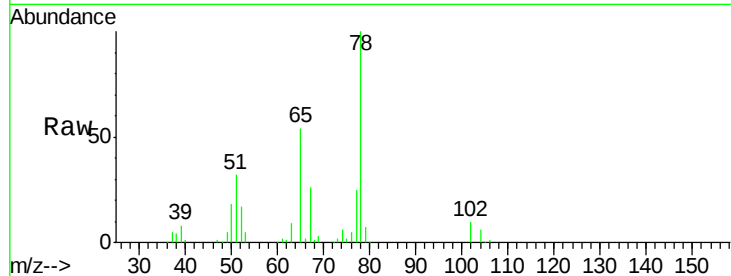
#33
 1,2-Dichloroethane-d4
 Concen: 49.410 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	94.8

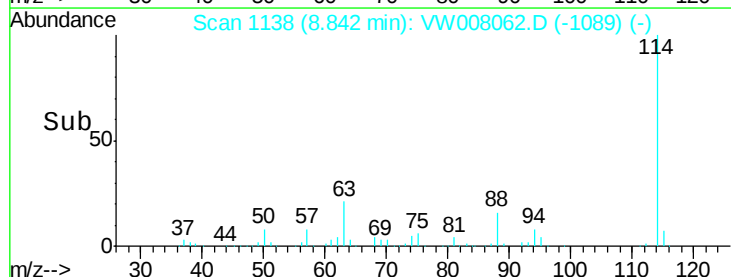
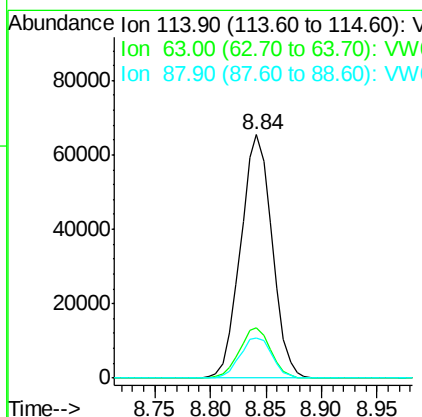
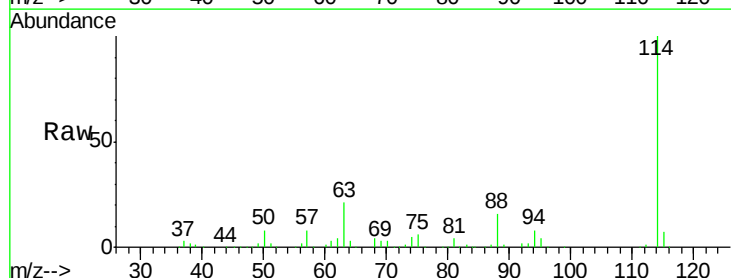
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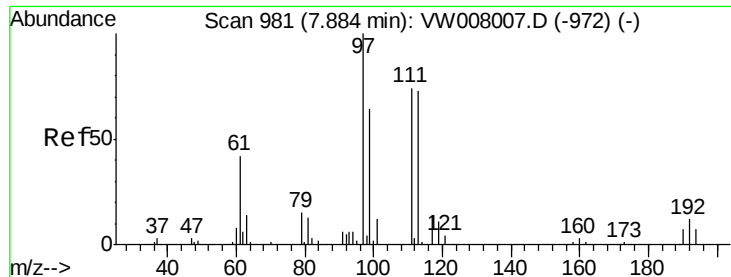
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	37.8
88	16.4	0.0	31.0





#35

Dibromofluoromethane

Concen: 49.376 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

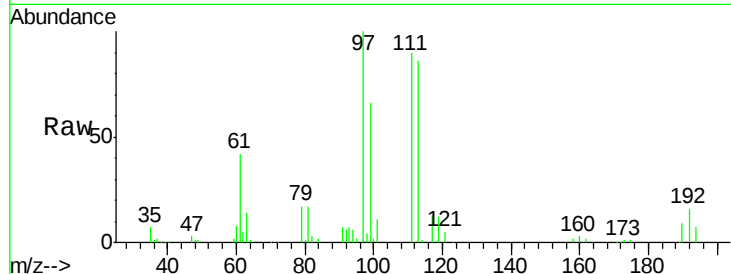
ClientSampleId :

VSTDCCC050

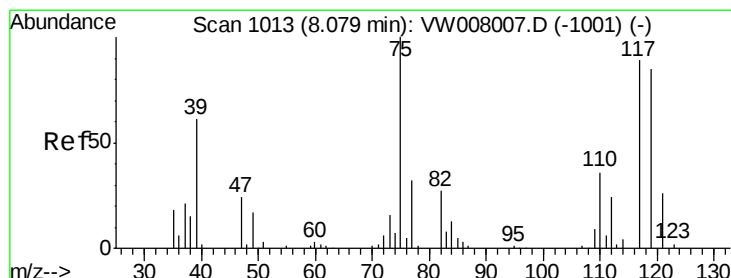
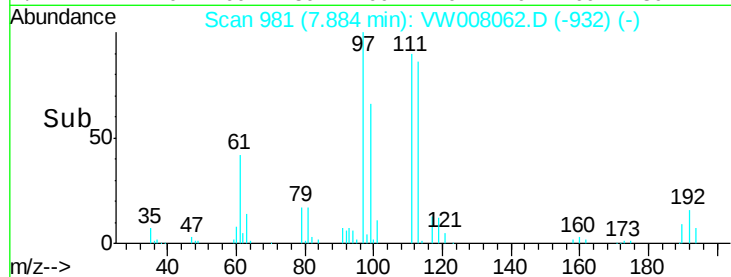
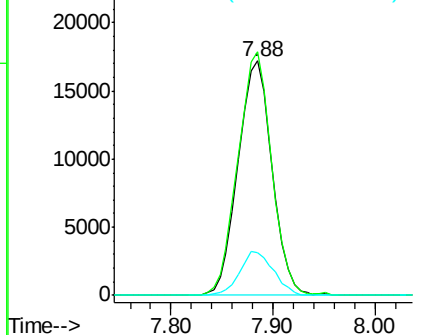
Tot Ion:	113	Resp:	39951
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.0
192	18.4	14.8	22.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.178 ug/l

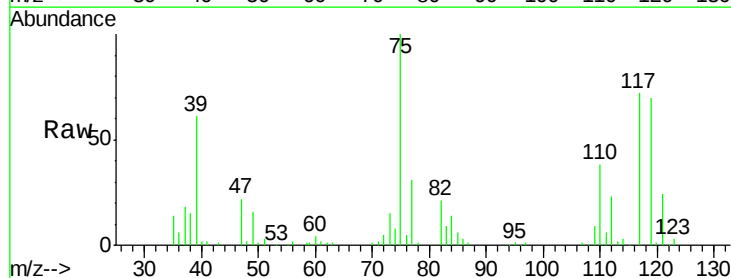
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

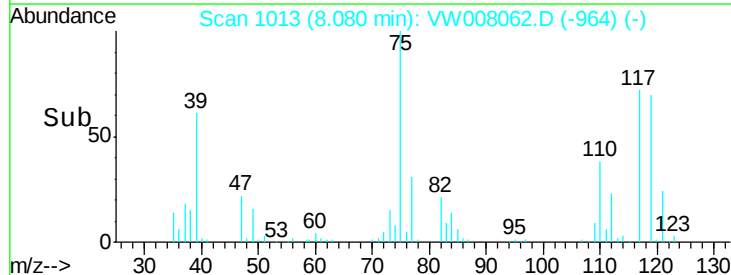
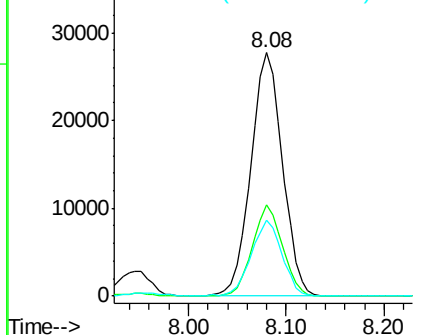
Lab File: VW008062.D

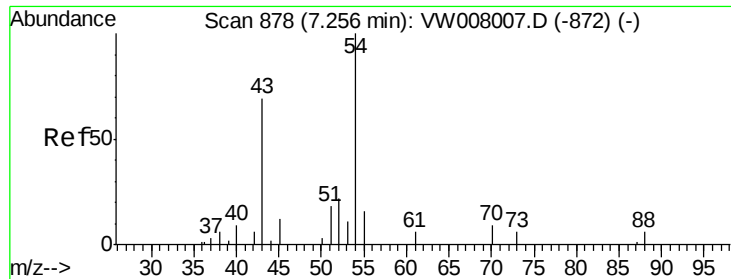
Acq: 07 Jan 2019 11:39

Tgt Ion:	75	Resp:	62264
Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.1	54.3
77	30.5	25.3	37.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





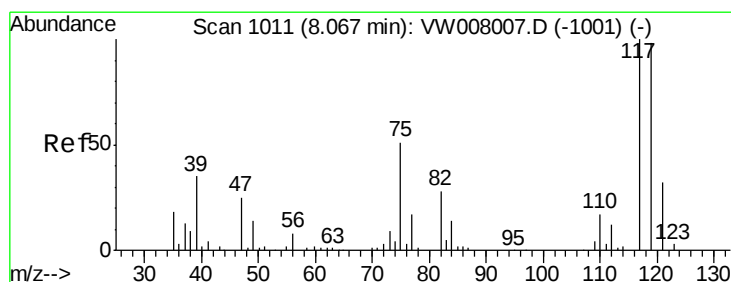
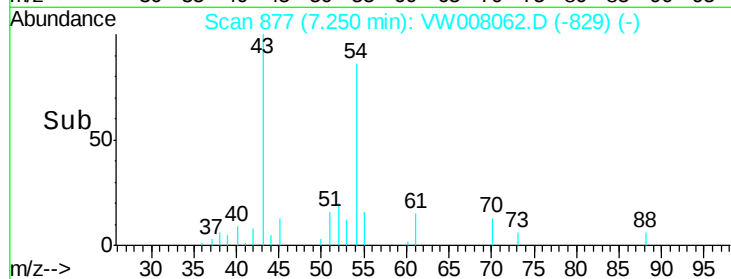
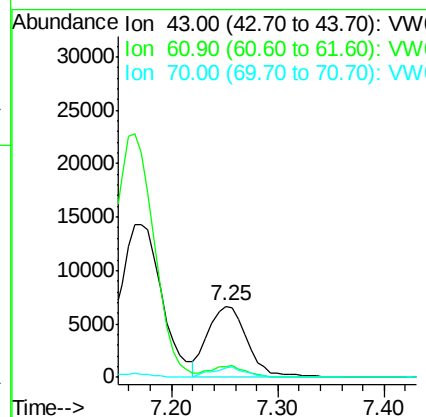
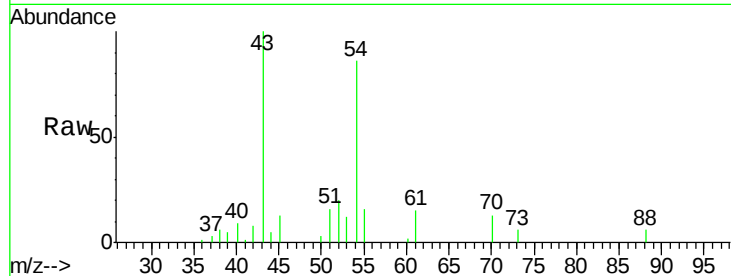
#37
Ethyl Acetate
Concen: 44.827 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.4	17.2
70	12.3	9.4	14.0

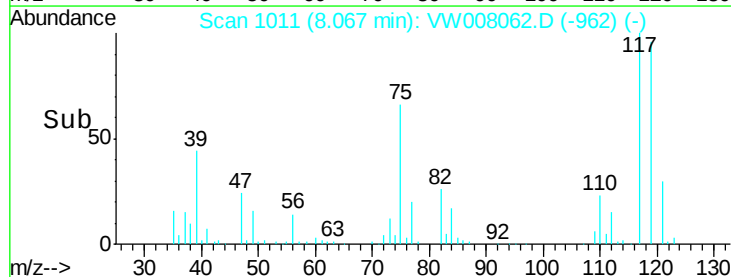
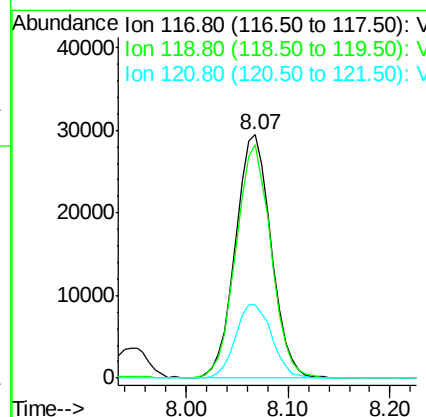
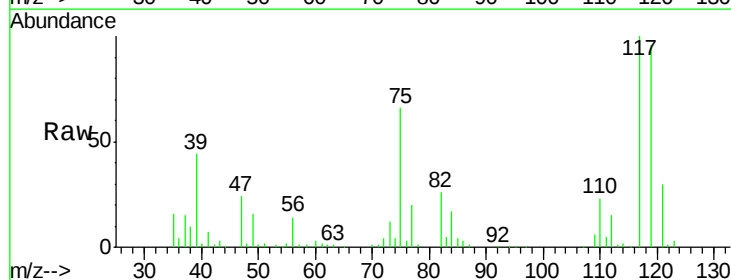
Manual Integrations
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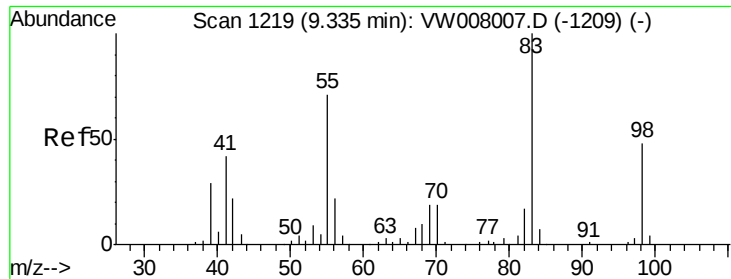
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#38
Carbon Tetrachloride
Concen: 47.194 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.7	118.1
121	30.1	25.8	38.8





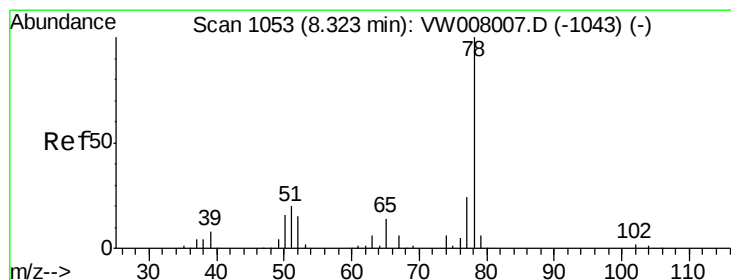
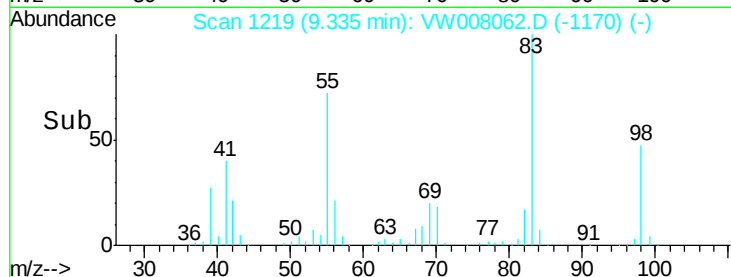
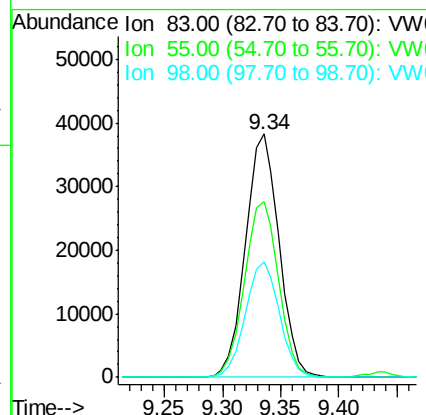
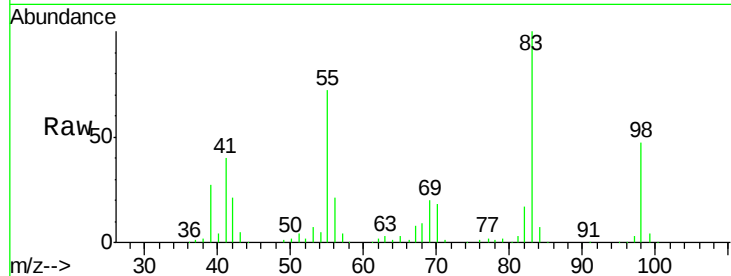
#39
Methvlcvclohexane
Concen: 48.914 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	56.8	85.2
98	47.3	38.6	58.0

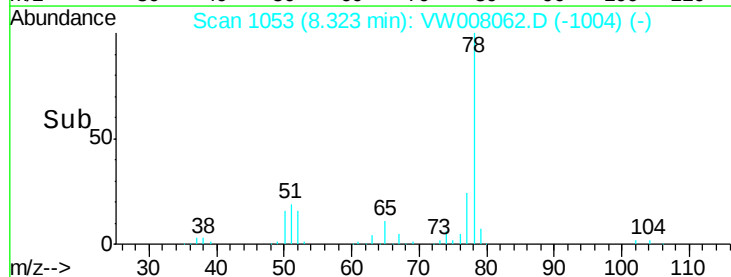
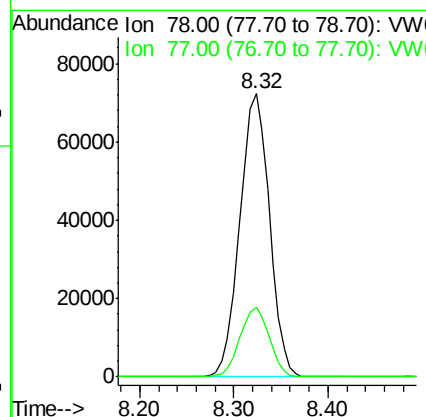
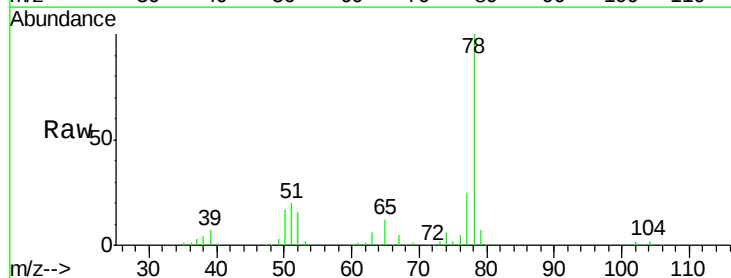
Manual Integrations
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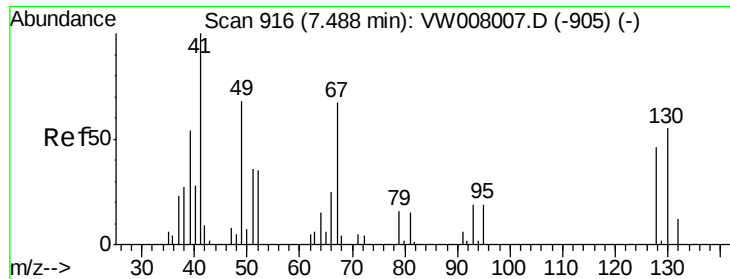
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#40
Benzene
Concen: 47.619 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.6





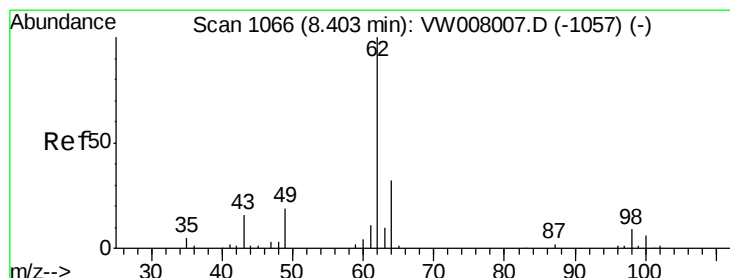
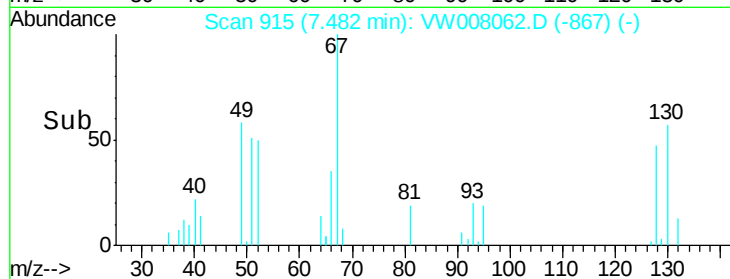
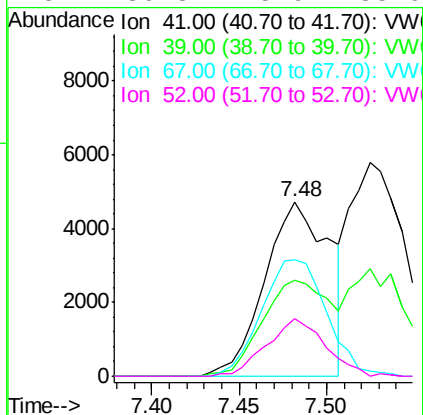
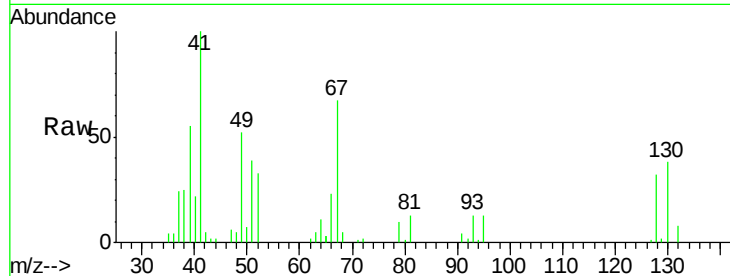
#41
Methacrylonitrile
Concen: 54.346 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	12152
Ion	Ratio	Lower	Upper
41	100		
39	58.1	48.6	72.8
67	67.4	55.6	83.4
52	30.3	25.9	38.9

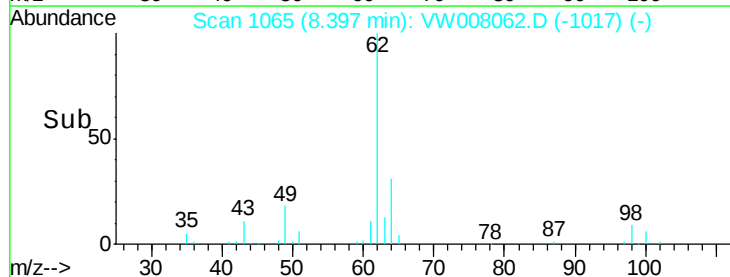
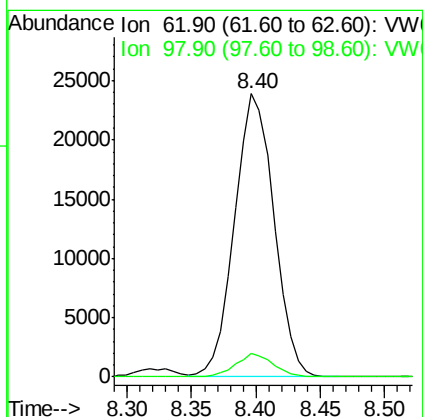
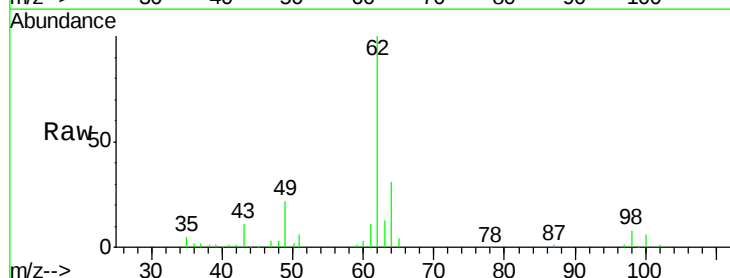
Manual Integrations
APPROVED

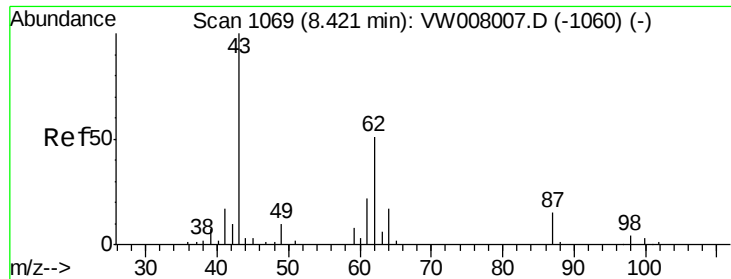
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#42
1,2-Dichloroethane
Concen: 45.656 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:	62	Resp:	50809
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 47.711 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

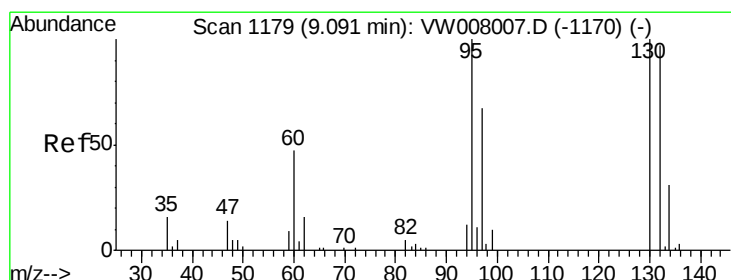
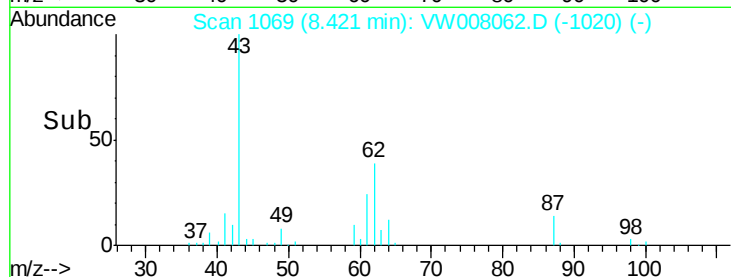
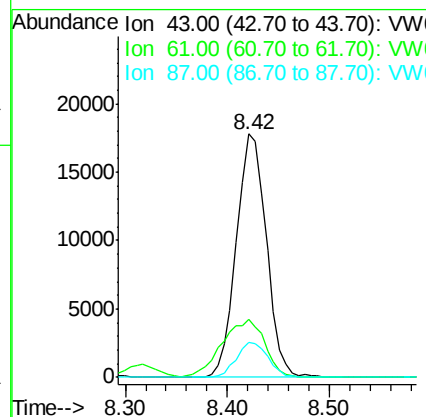
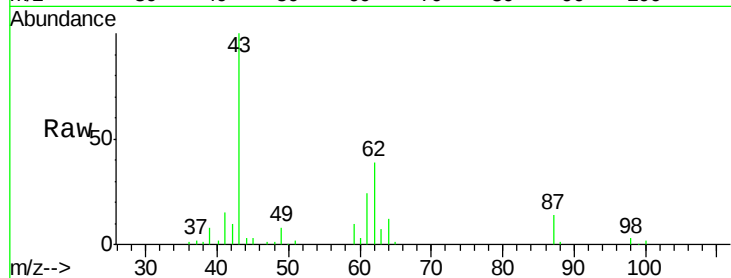
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	36255
Ion	Ratio	Lower	Upper
43	100		
61	33.9	26.4	39.6
87	14.9	12.0	18.0

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#44

Trichloroethene

Concen: 46.343 ug/l

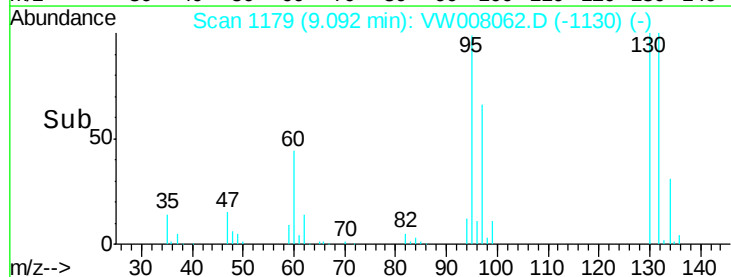
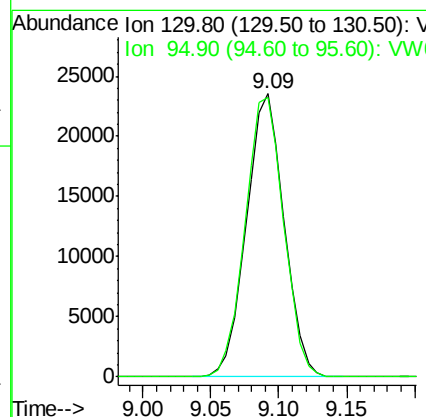
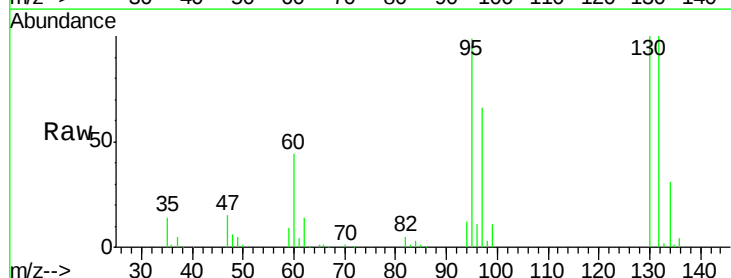
RT: 9.09 min Scan# 1179

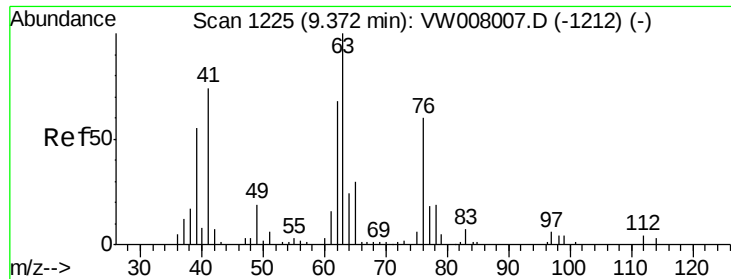
Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion:	130	Resp:	45677
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	200.0





#45

1,2-Dichloropropane

Concen: 48.569 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 35114

Ion Ratio Lower Upper

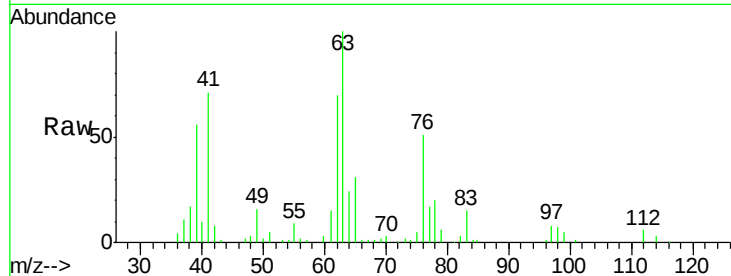
63 100

65 31.1 24.2 36.4

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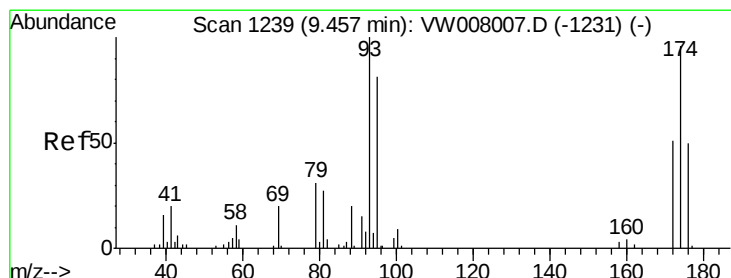
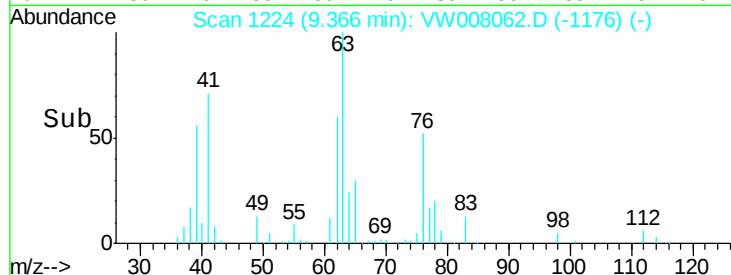
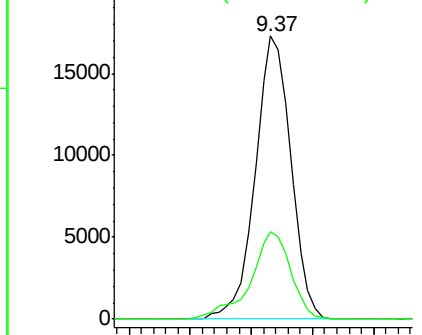
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 45.792 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

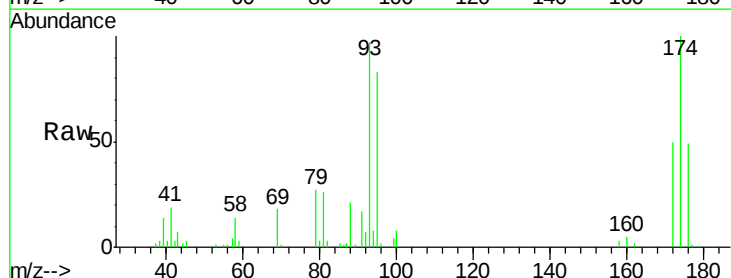
Tgt Ion: 93 Resp: 19356

Ion Ratio Lower Upper

93 100

95 83.3 63.9 95.9

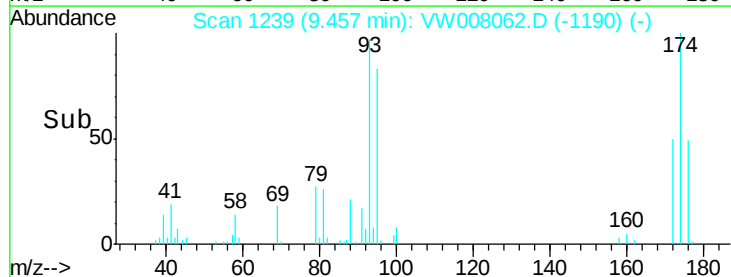
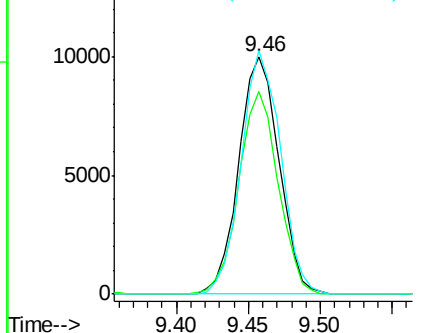
174 100.3 79.0 118.6

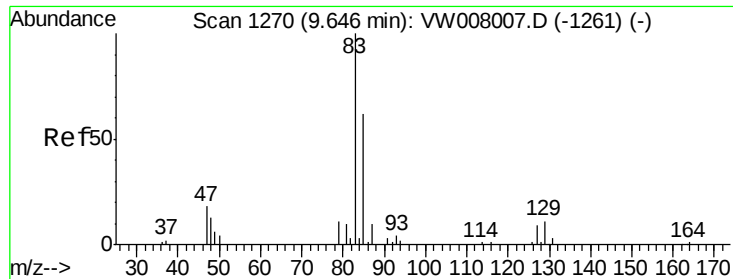


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





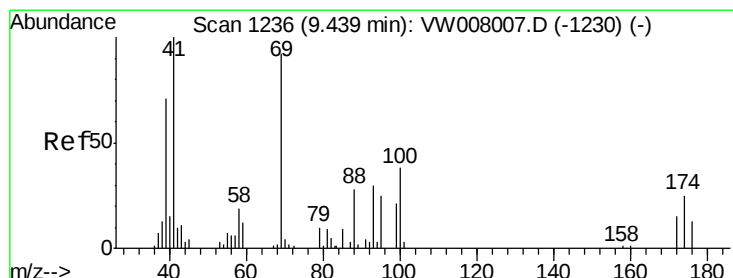
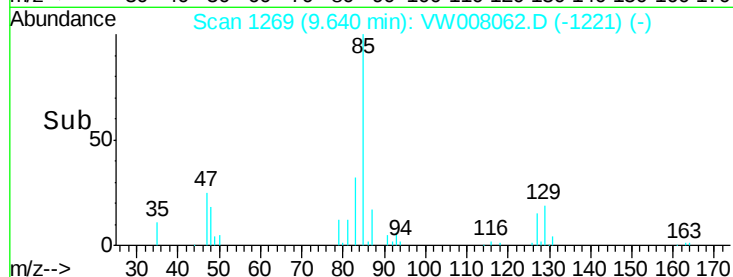
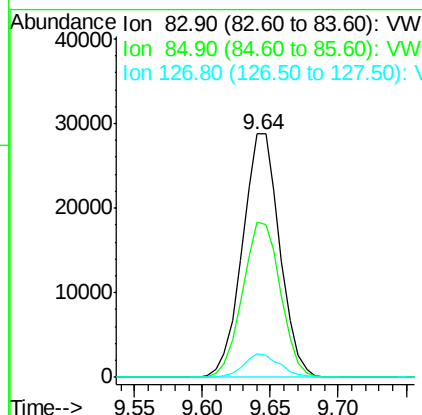
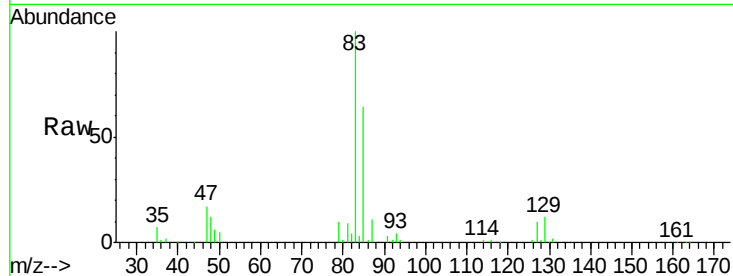
#47
Bromodichloromethane
Concen: 46.666 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	55248
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	49.5	74.3
127	9.8	7.5	11.3

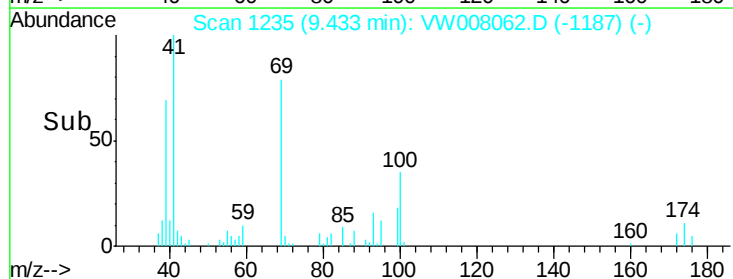
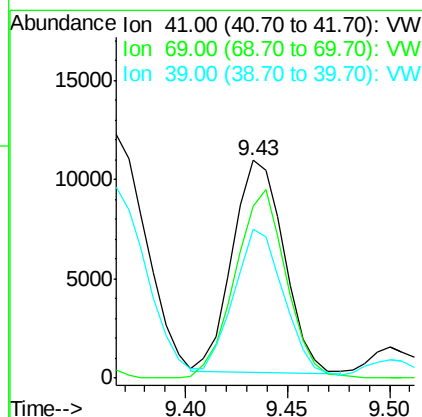
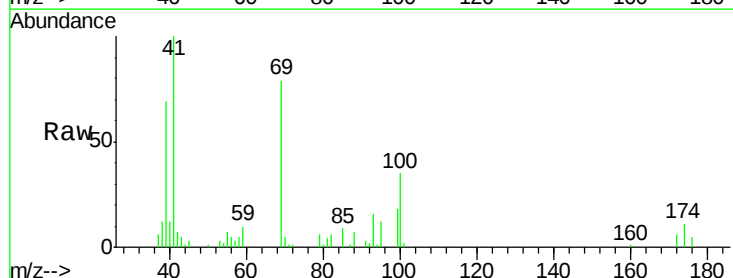
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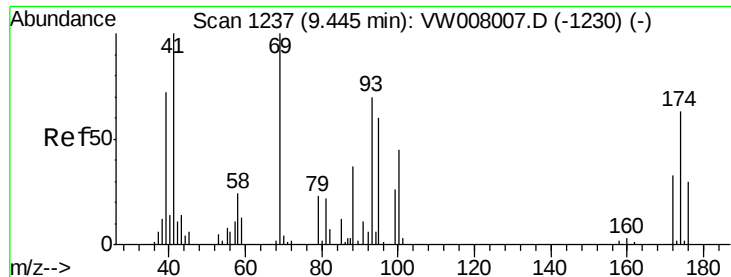
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#48
Methyl methacrylate
Concen: 48.914 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	41	Resp	18741
Ion Ratio	100	Lower	Upper
41	100		
69	87.9	72.3	108.5
39	66.5	58.7	88.1





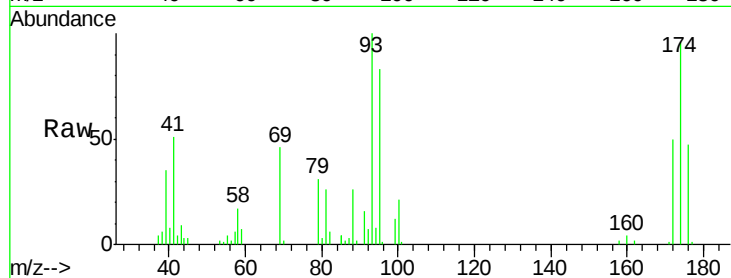
#49
1,4-Dioxane
Concen: 835.939 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

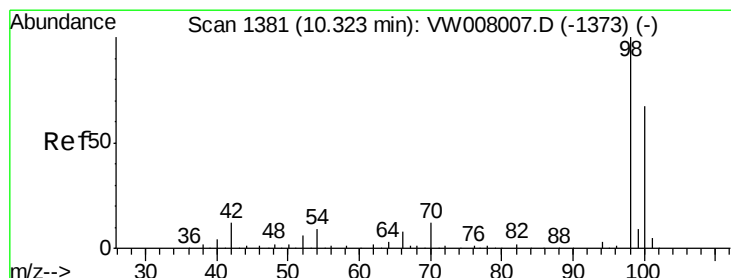
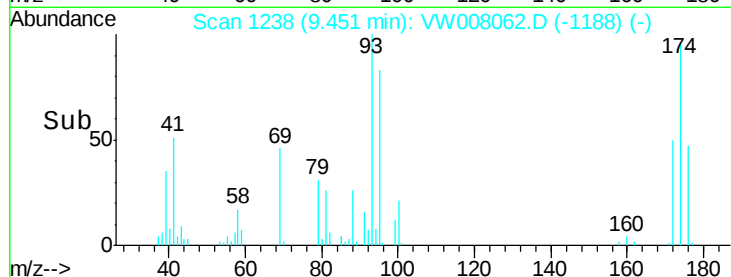
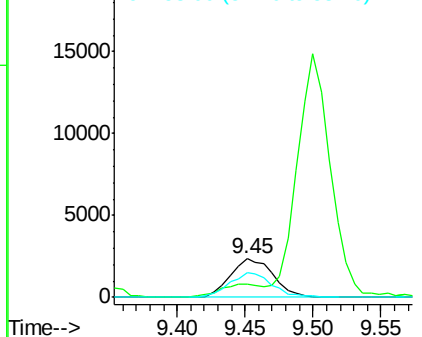
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.8	40.2
58	64.0	55.8	83.6

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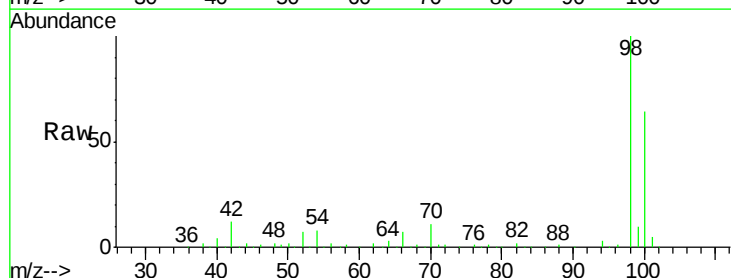


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

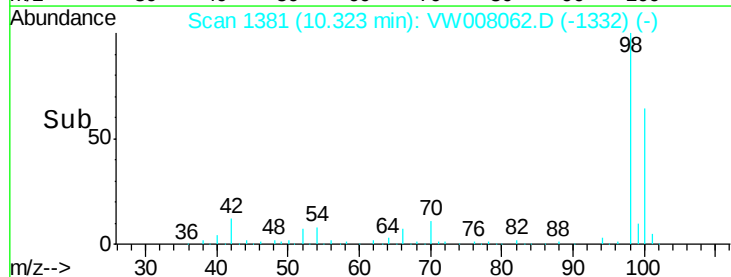
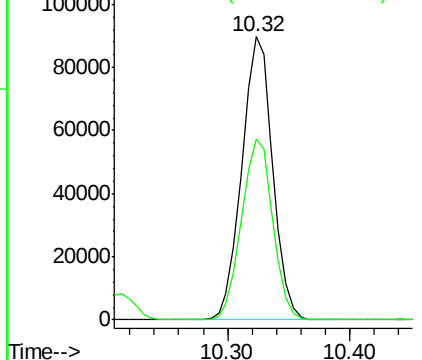


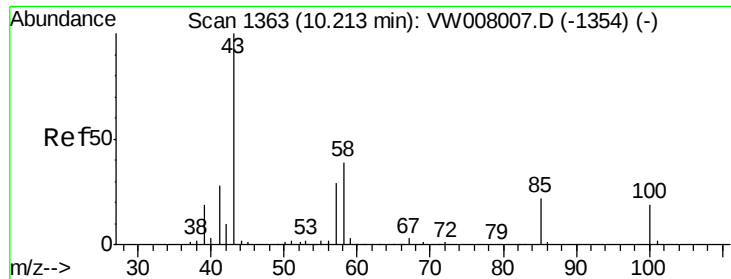
#50
Toluene-d8
Concen: 51.636 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 235.029 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 82670

Ion Ratio Lower Upper

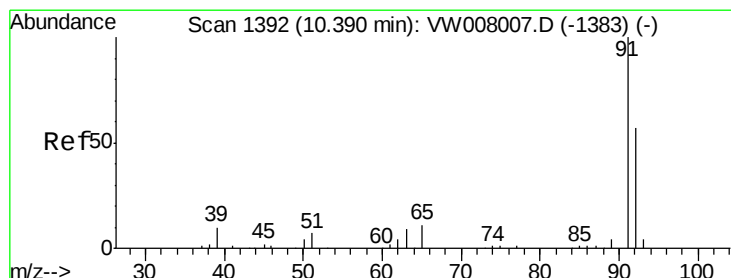
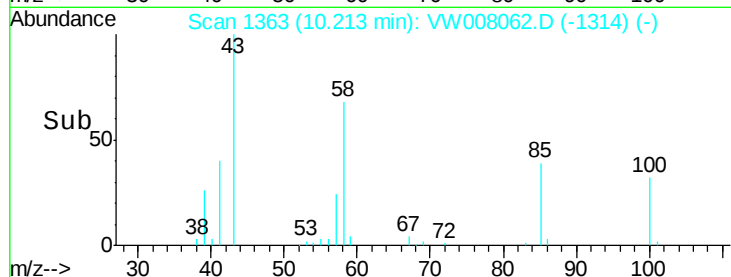
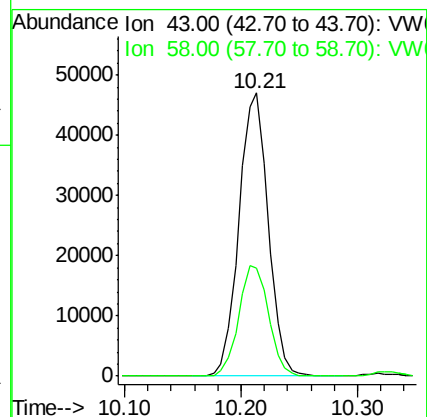
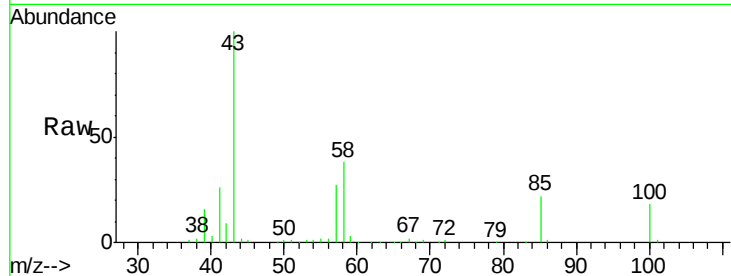
43 100

58 39.8 32.0 48.0

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#52

Toluene

Concen: 47.270 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008062.D

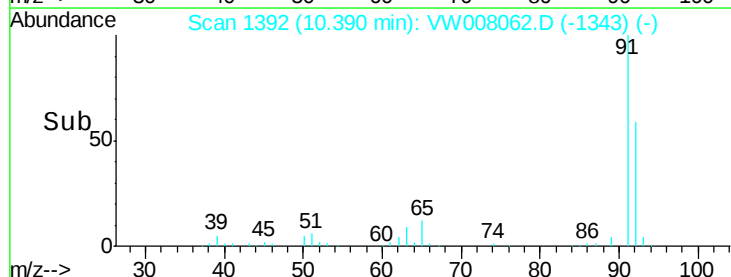
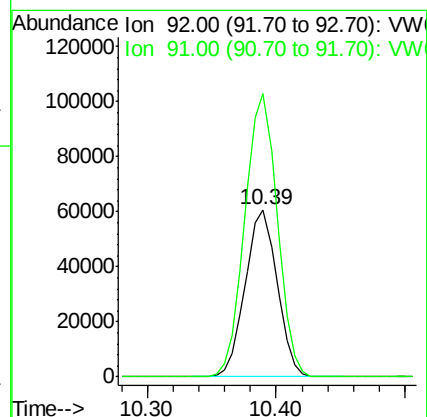
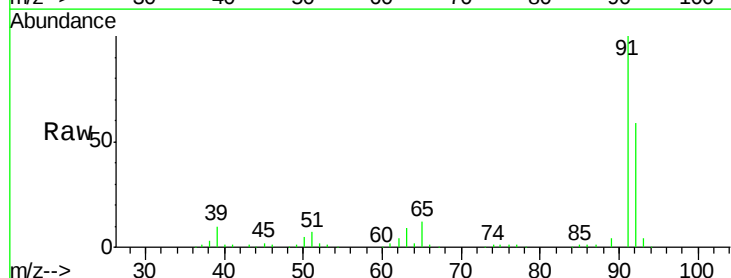
Acq: 07 Jan 2019 11:39

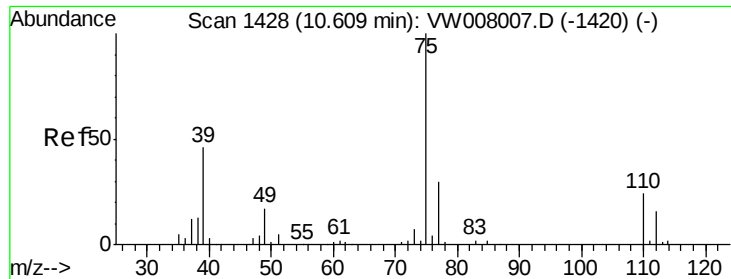
Tgt Ion: 92 Resp: 104233

Ion Ratio Lower Upper

92 100

91 171.6 136.9 205.3





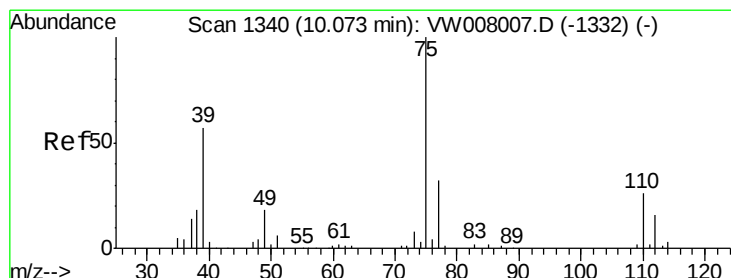
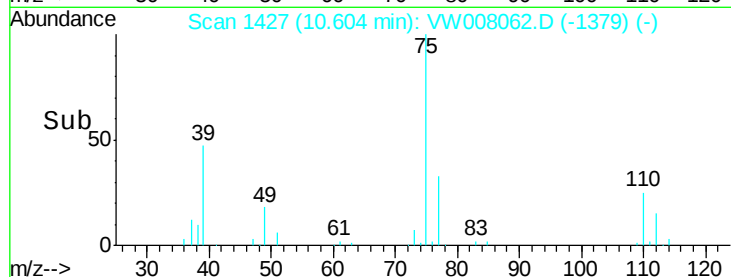
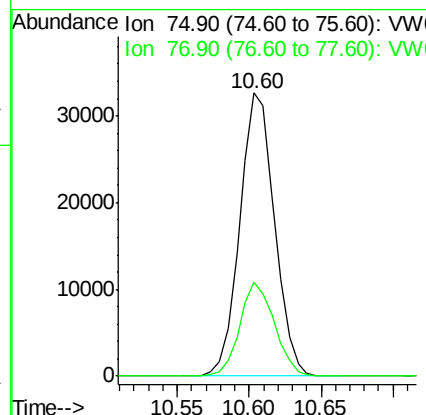
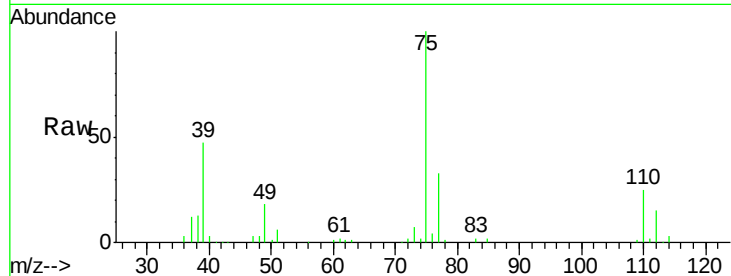
#53
t-1,3-Dichloropropene
Concen: 47.950 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 54588
Ion Ratio Lower Upper
75 100
77 33.0 24.0 36.0

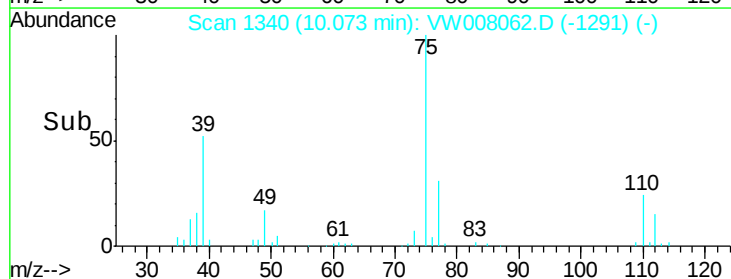
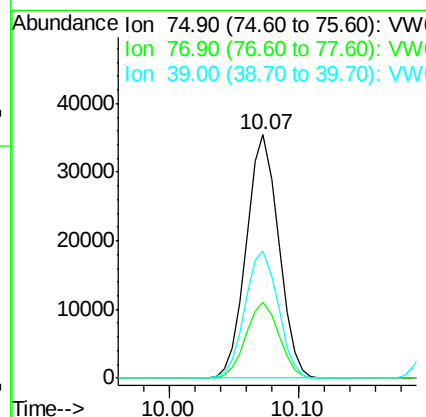
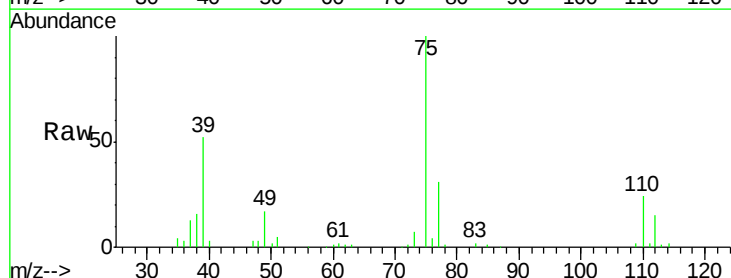
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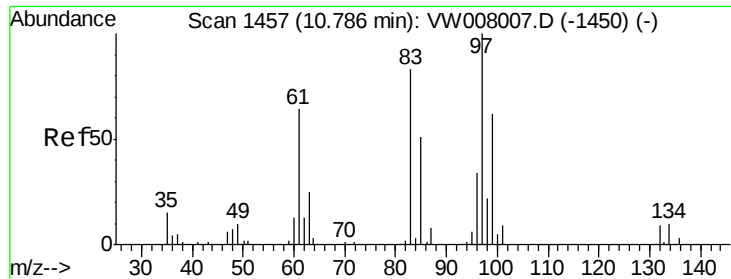
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#54
cis-1,3-Dichloropropene
Concen: 48.456 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 75 Resp: 61556
Ion Ratio Lower Upper
75 100
77 31.3 25.9 38.9
39 52.1 45.4 68.0





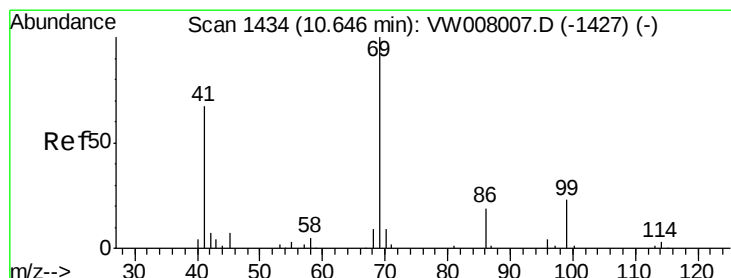
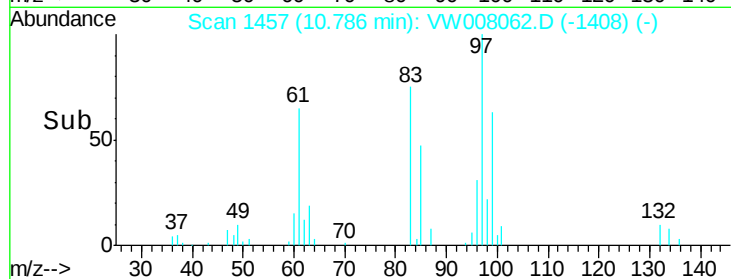
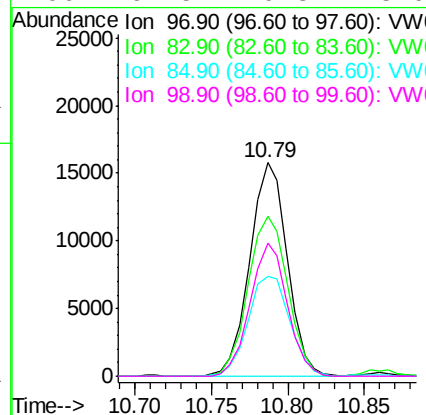
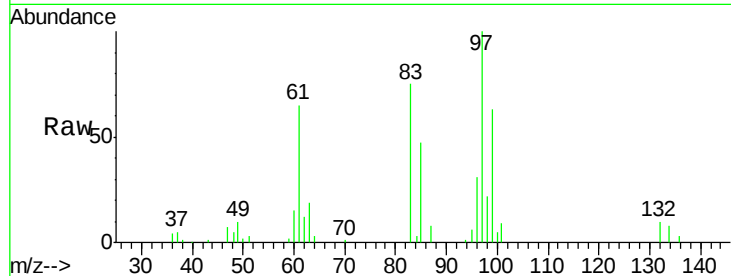
#55
 1,1,2-Trichloroethane
 Concen: 46.989 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	26892
Ion	Ratio	Lower	Upper
97	100		
83	74.8	66.2	99.2
85	46.5	41.0	61.4
99	62.5	49.3	73.9

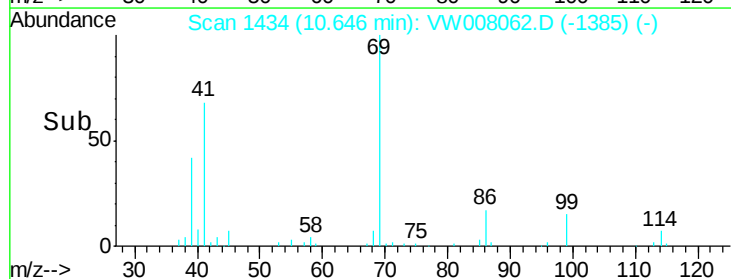
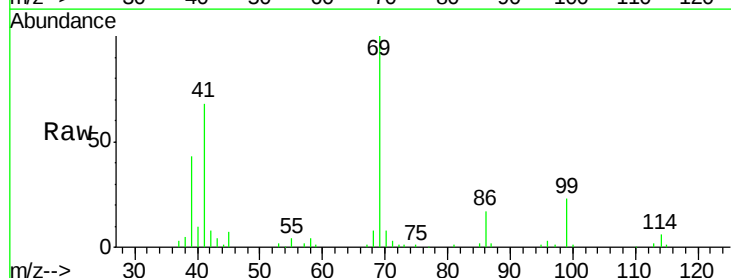
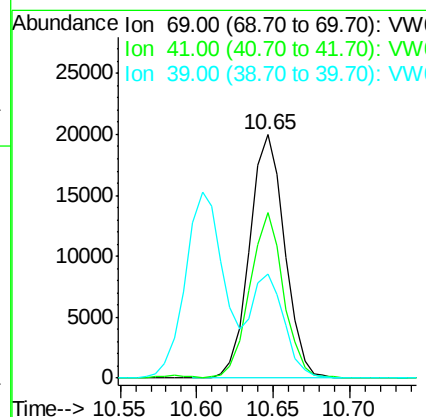
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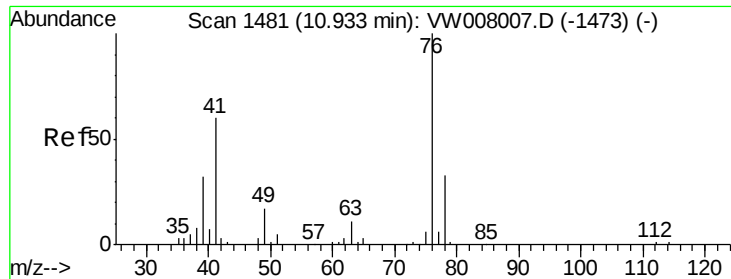
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#56
 Ethyl methacrylate
 Concen: 49.103 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion	69	Resp	31769
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.6	79.0
39	40.4	35.8	53.6





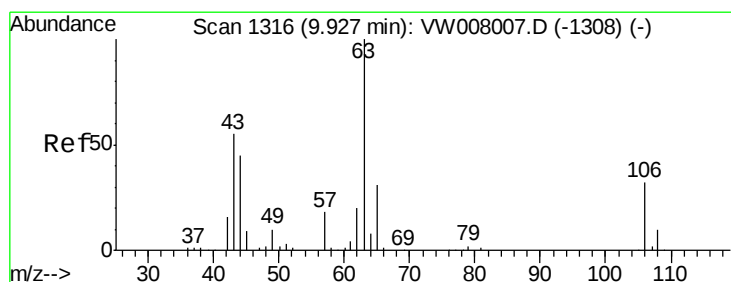
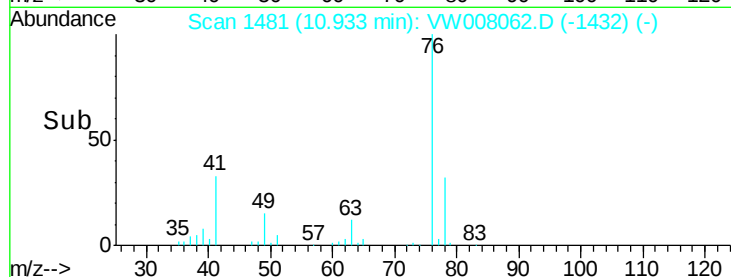
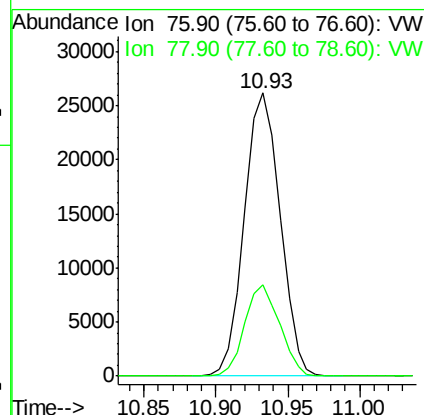
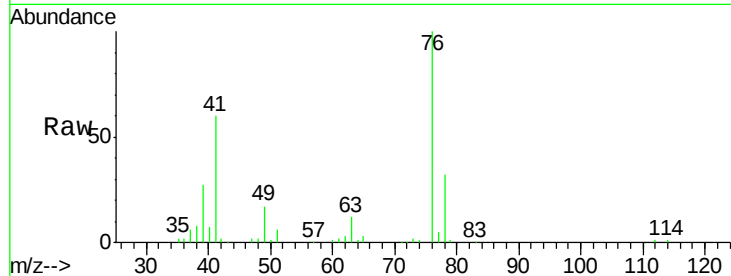
#57
 1,3-Dichloropropane
 Concen: 46.429 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 45150
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.7 40.1

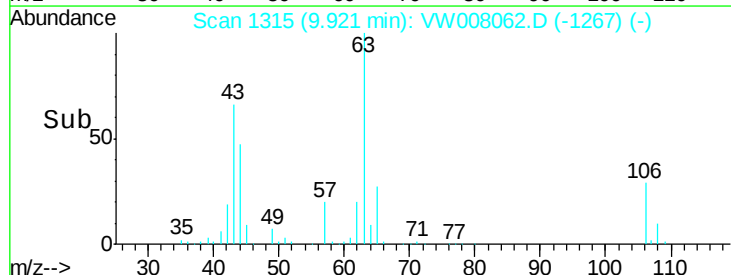
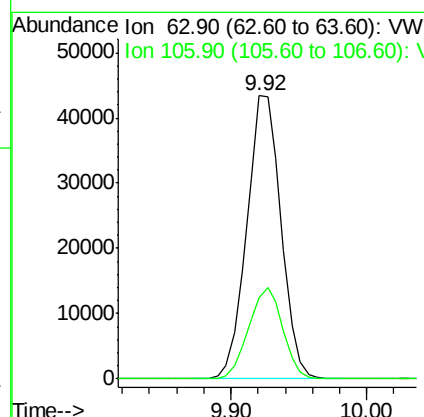
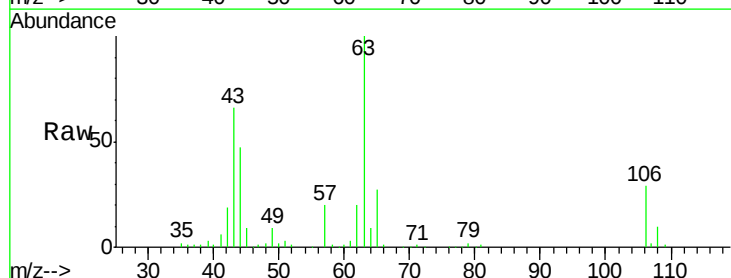
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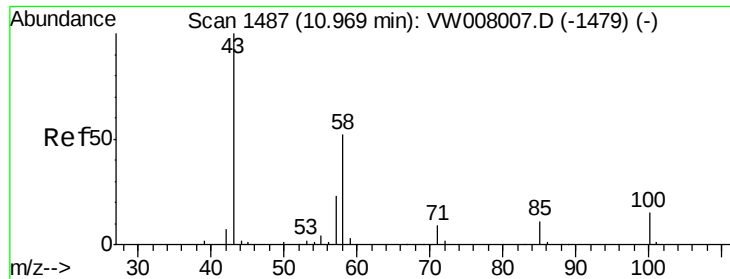
MMDadoda
 1/8/2019 11:53:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.995 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 63 Resp: 76402
 Ion Ratio Lower Upper
 63 100
 106 32.1 26.9 40.3





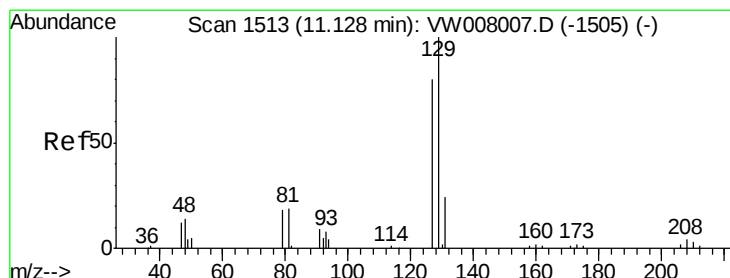
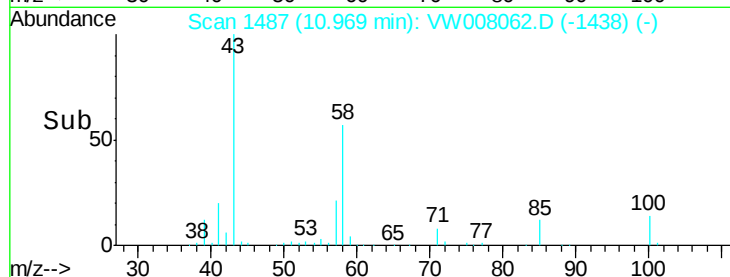
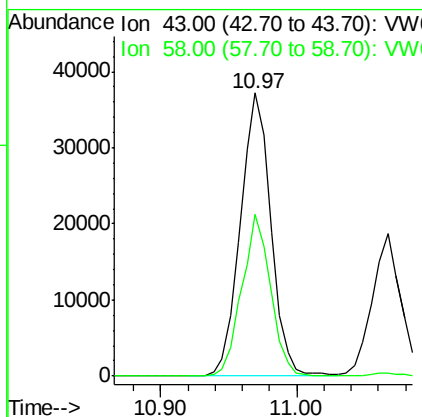
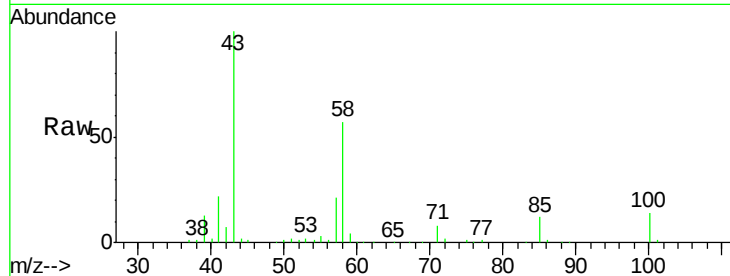
#59
2-Hexanone
Concen: 240.265 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 58343
Ion Ratio Lower Upper
43 100
58 53.5 27.1 81.2

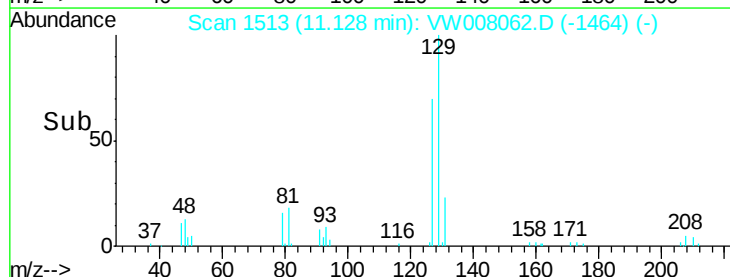
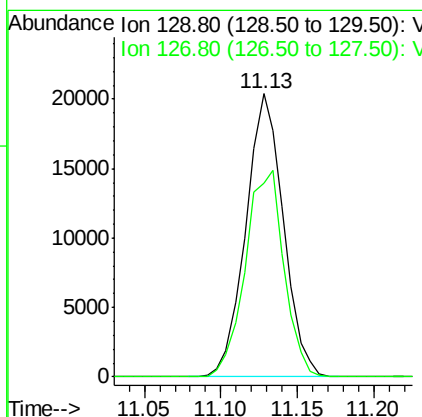
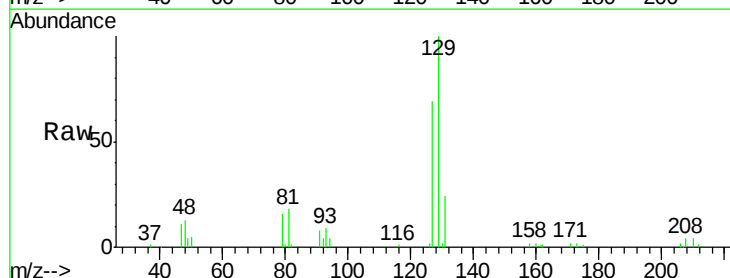
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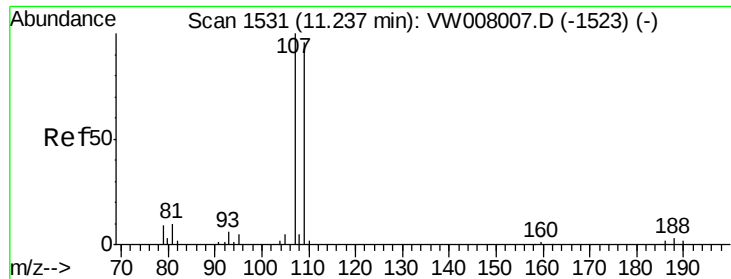
MMDadoda
1/8/2019 11:53:28 AM



#60
Dibromochloromethane
Concen: 44.387 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 129 Resp: 34772
Ion Ratio Lower Upper
129 100
127 75.2 38.6 116.0





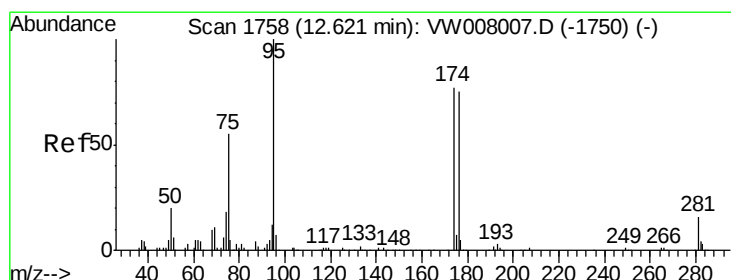
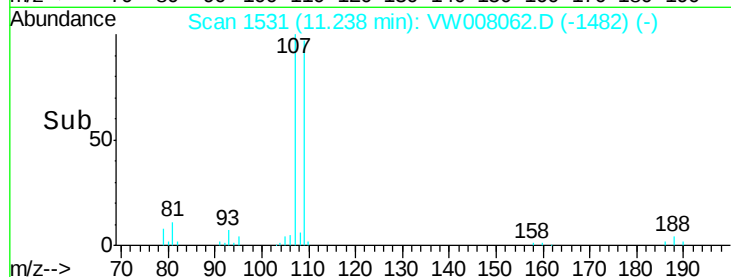
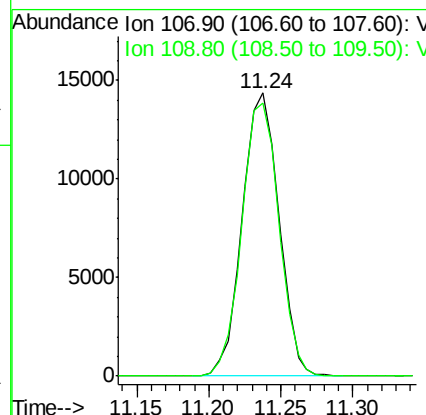
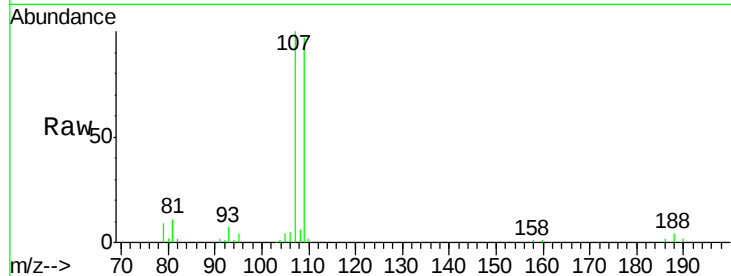
#61
 1,2-Dibromoethane
 Concen: 44.315 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.2	77.2	115.8

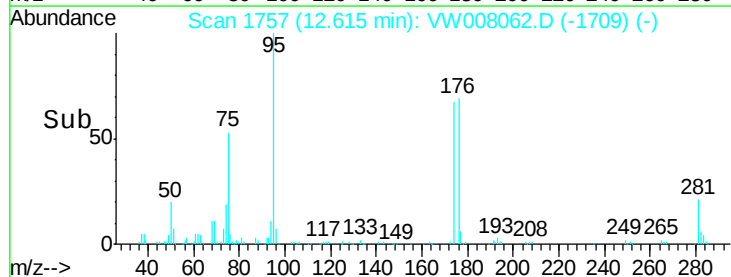
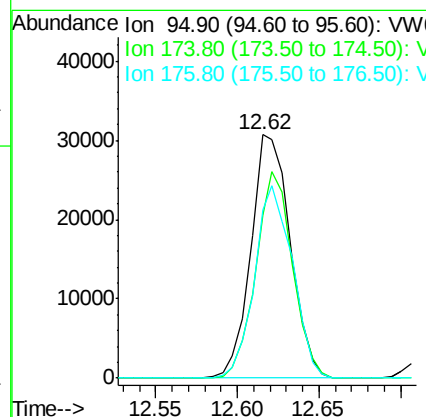
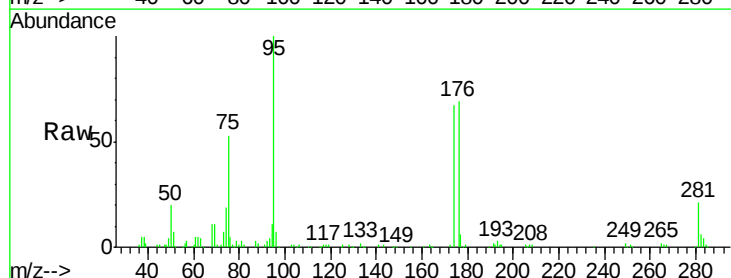
Manual Integrations
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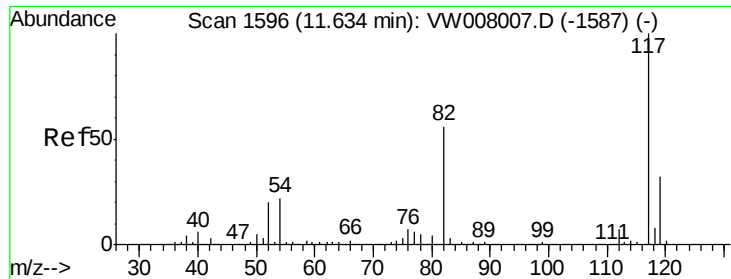
MMDadoda
 1/8/2019 11:53:28 AM



#62
 4-Bromofluorobenzene
 Concen: 44.243 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	149.6
176	76.0	0.0	145.4





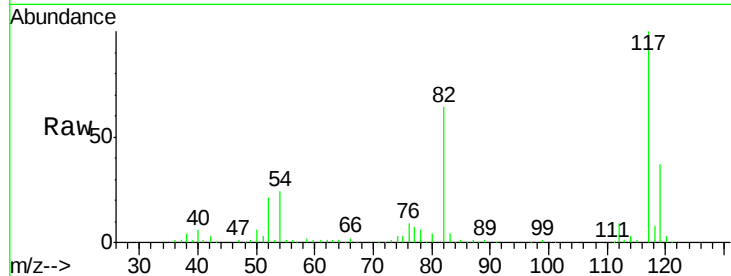
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	44.8	67.2
119	36.9	25.6	38.4

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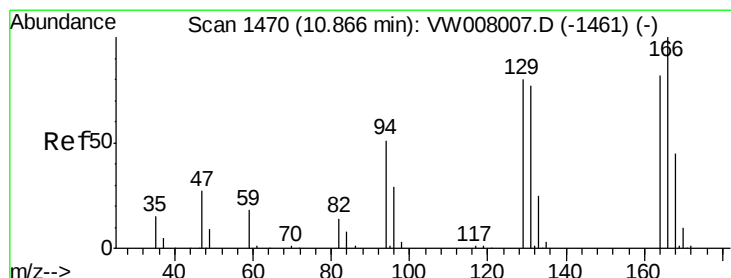
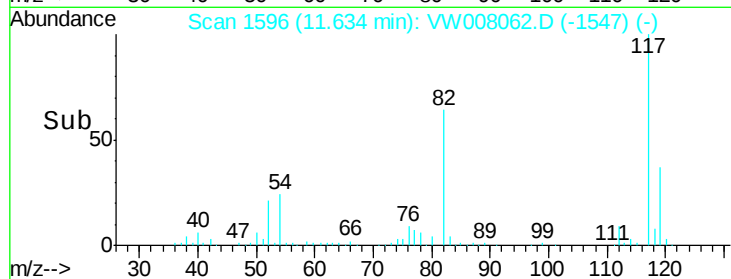
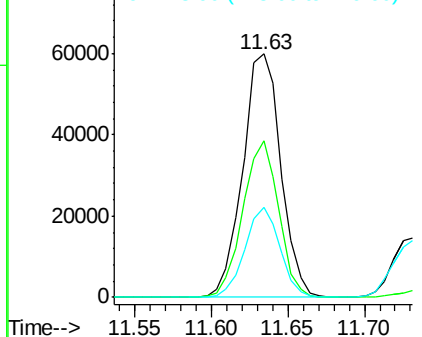


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.908 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	98.1	147.1
129	100.8	78.0	117.0
131	98.8	75.8	113.8

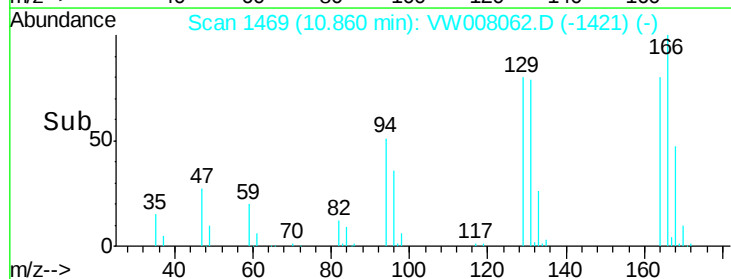
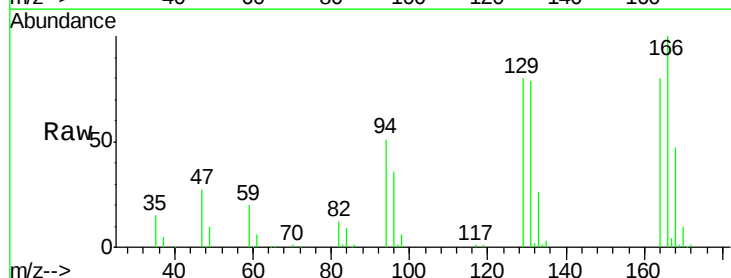
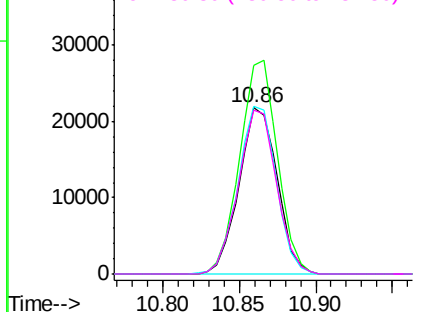
Abundance

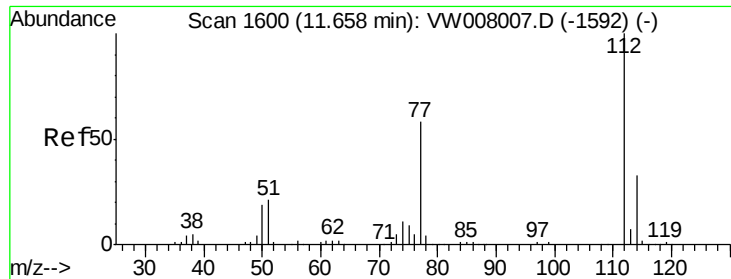
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.515 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 113949

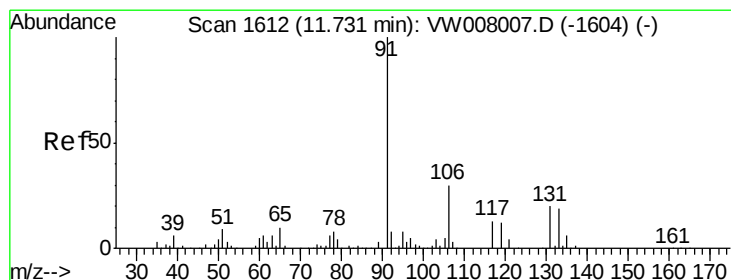
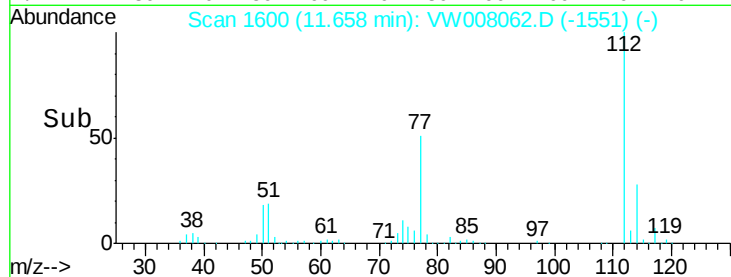
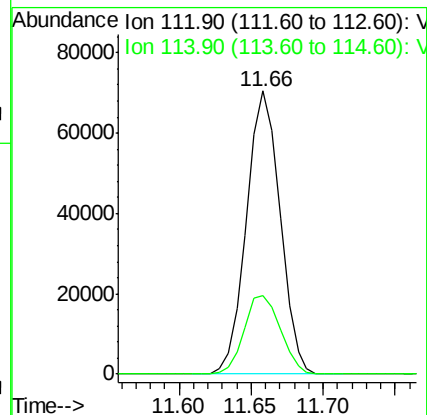
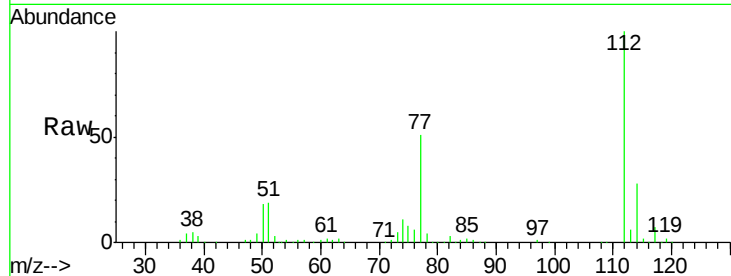
Ion Ratio Lower Upper

112 100

114 27.6 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.017 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

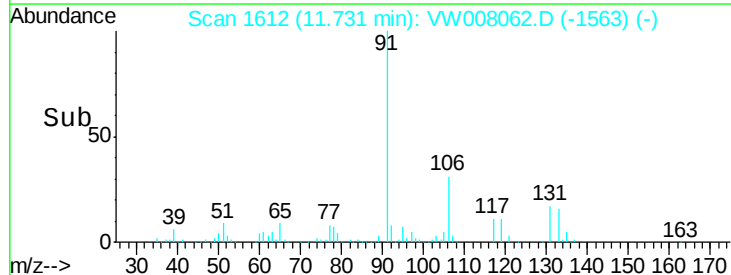
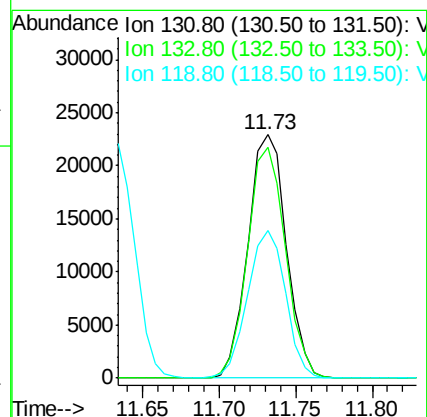
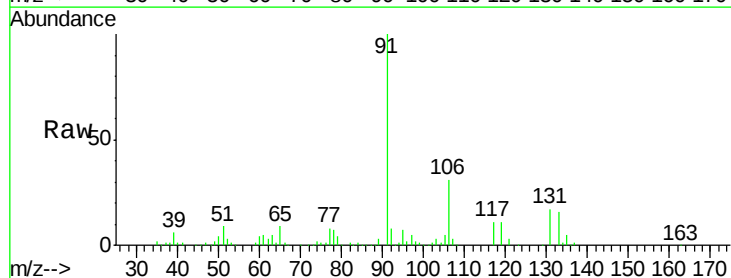
Tgt Ion:131 Resp: 40065

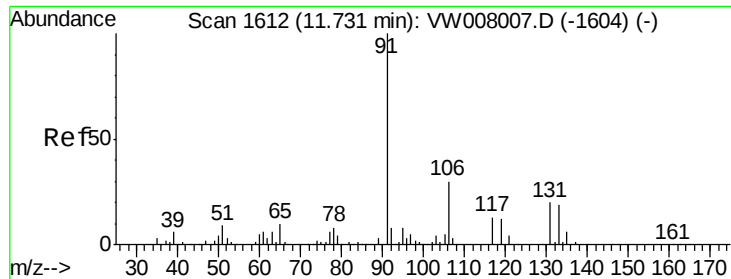
Ion Ratio Lower Upper

131 100

133 93.7 49.1 147.3

119 60.0 30.6 91.6





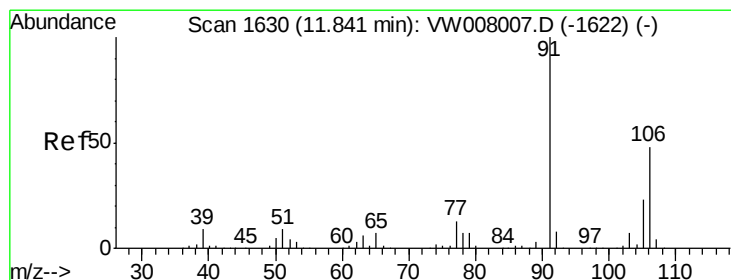
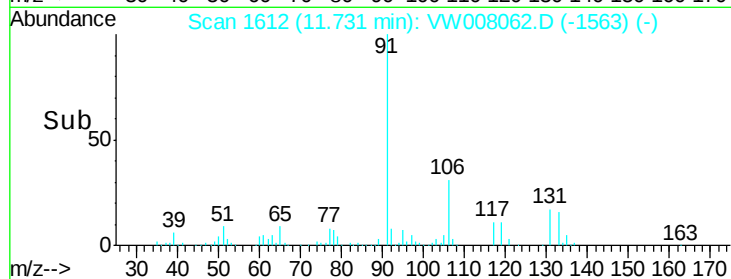
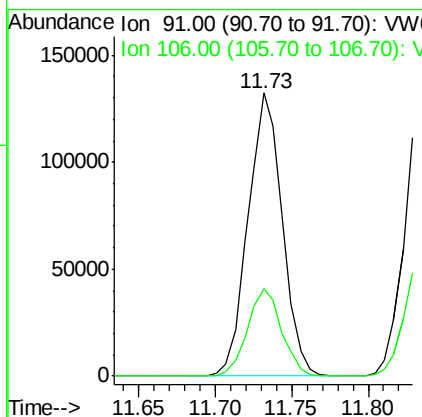
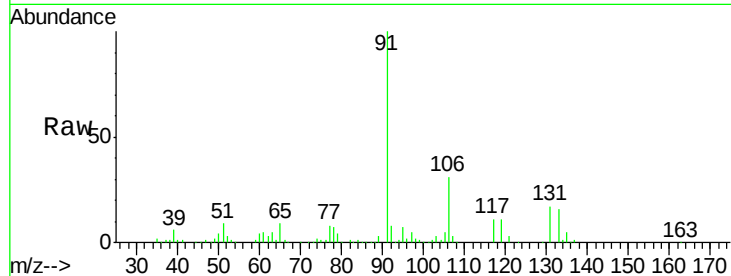
#67
Ethyl Benzene
Concen: 52.364 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5

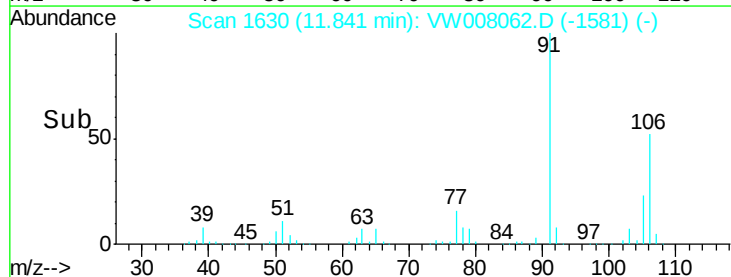
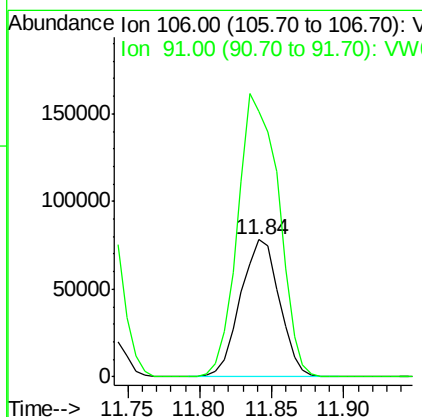
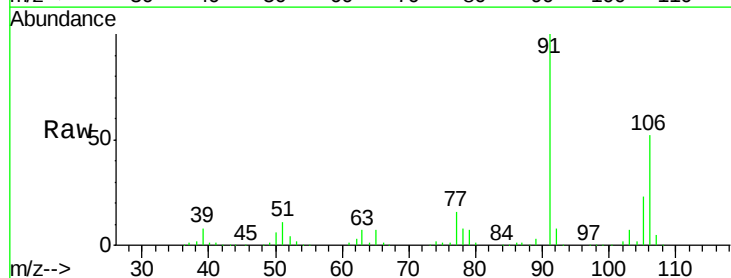
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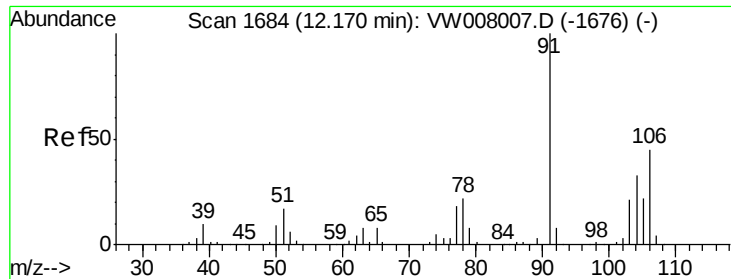
MMDadoda
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#68
m/p-Xylenes
Concen: 97.102 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
106	100		
91	215.7	165.8	248.8





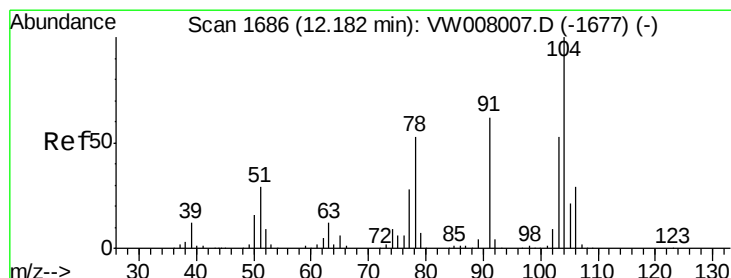
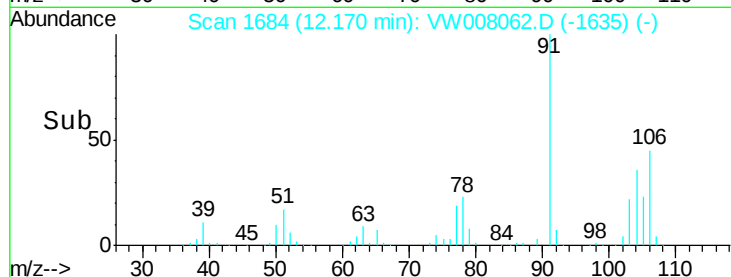
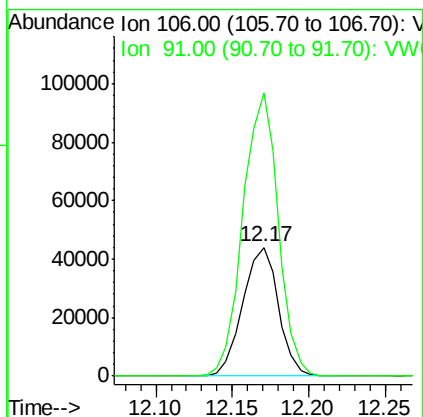
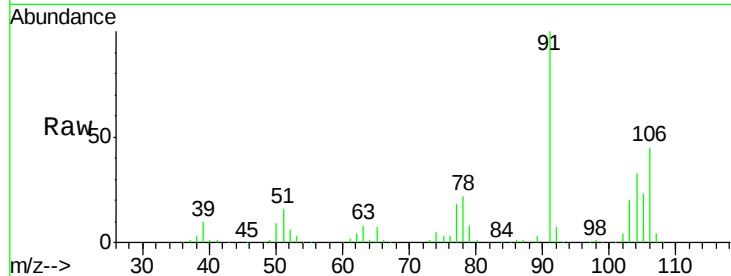
#69
o-Xylene
Concen: 50.462 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 71272
Ion Ratio Lower Upper
106 100
91 217.2 110.6 331.6

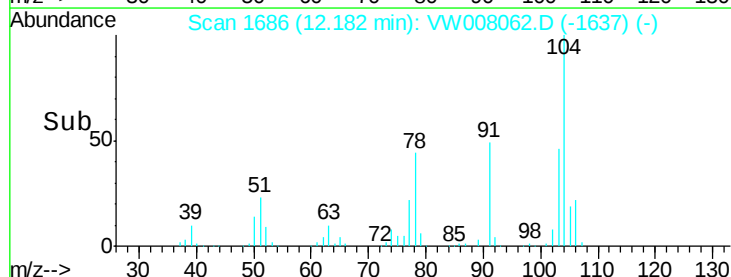
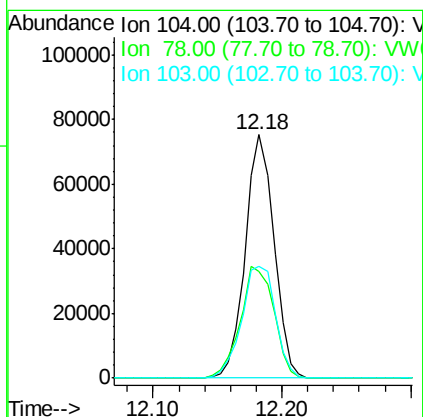
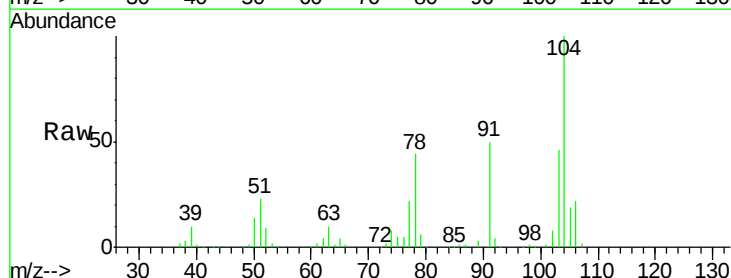
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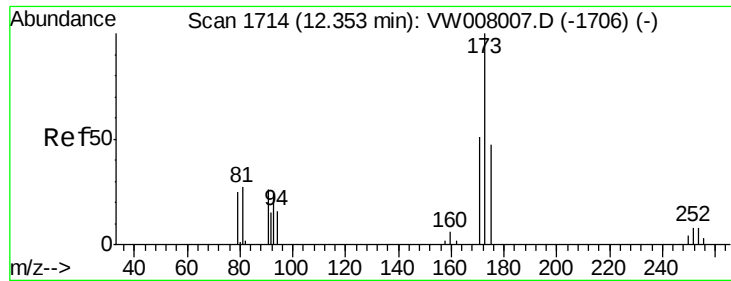
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#70
Styrene
Concen: 50.405 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:104 Resp: 116036
Ion Ratio Lower Upper
104 100
78 53.8 44.0 66.0
103 54.0 44.6 66.8





#71

Bromoform

Concen: 46.409 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 17223

Ion Ratio Lower Upper

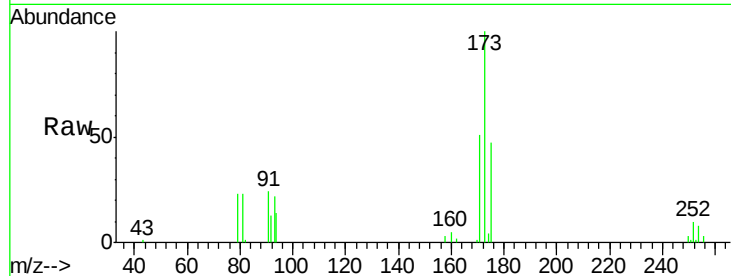
173 100

175 48.5 23.6 71.0

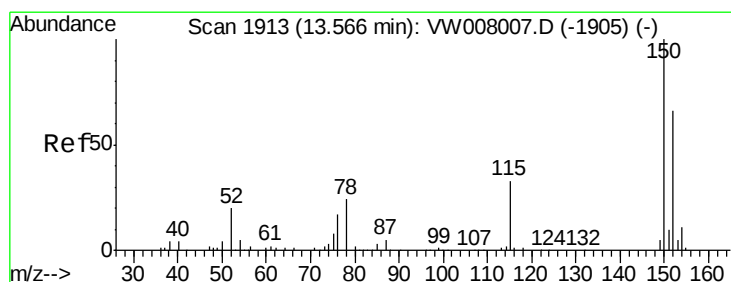
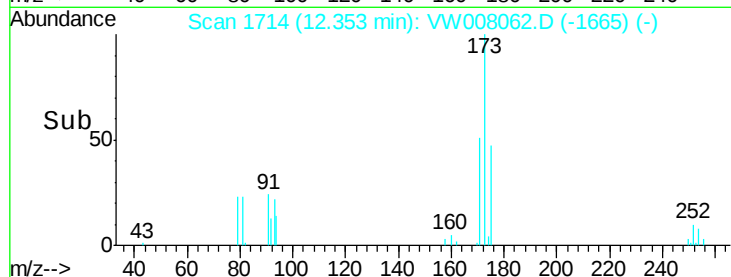
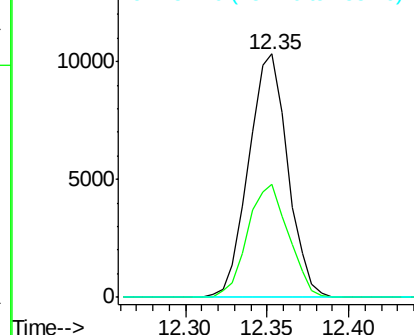
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

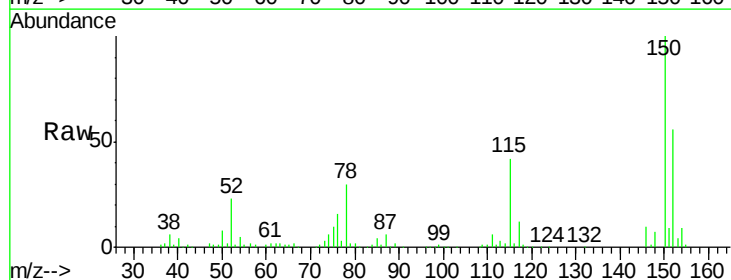
Tgt Ion:152 Resp: 49150

Ion Ratio Lower Upper

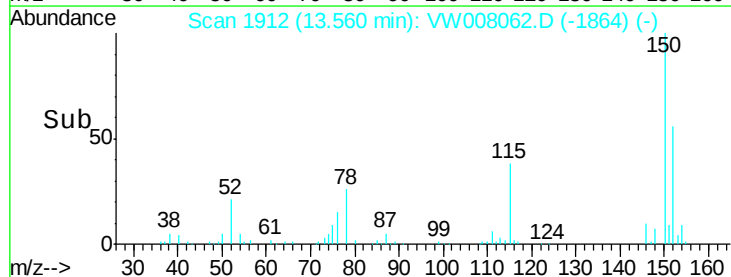
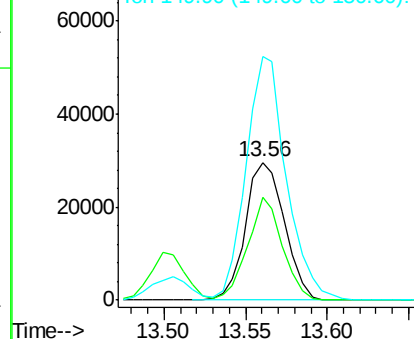
152 100

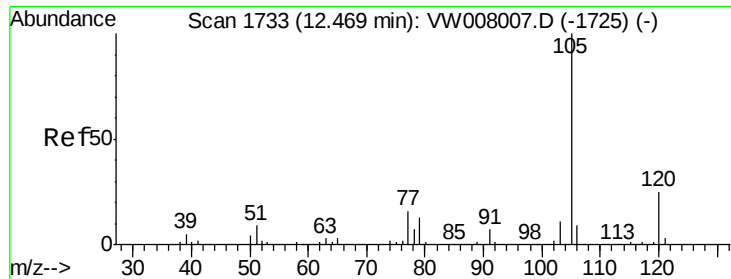
115 66.8 32.1 96.5

150 182.9 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





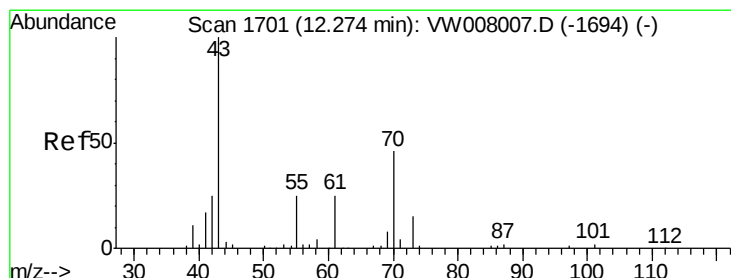
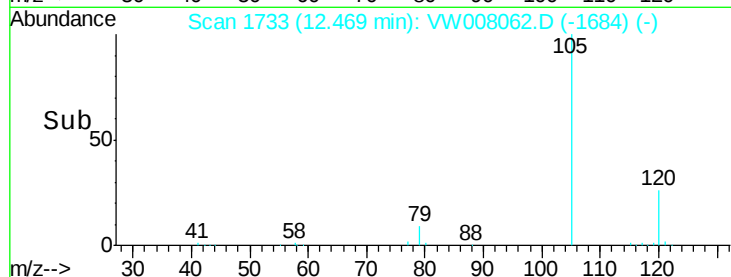
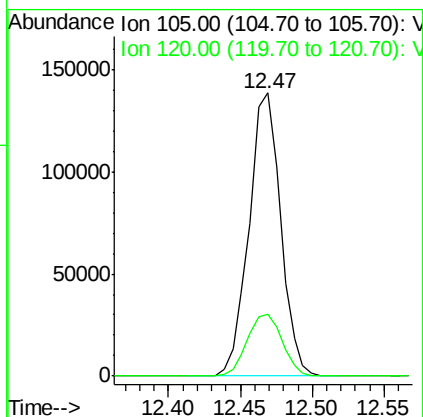
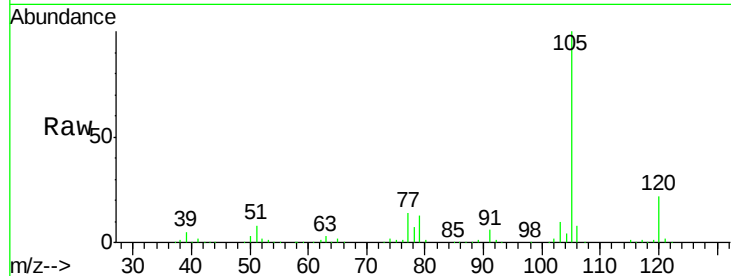
#73
Isopropylbenzene
Concen: 53.855 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 210483
Ion Ratio Lower Upper
105 100
120 24.0 12.8 38.3

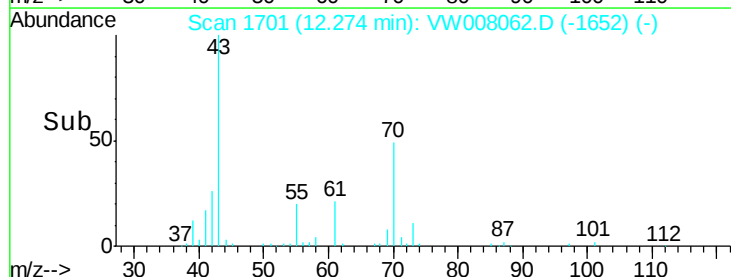
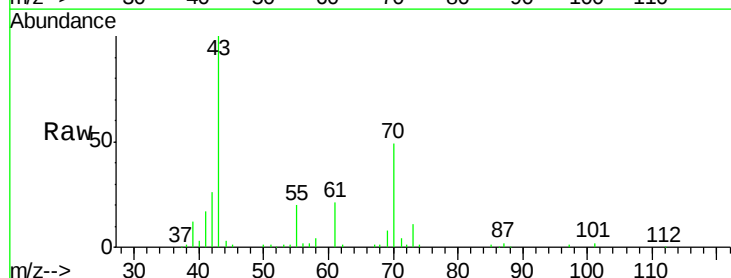
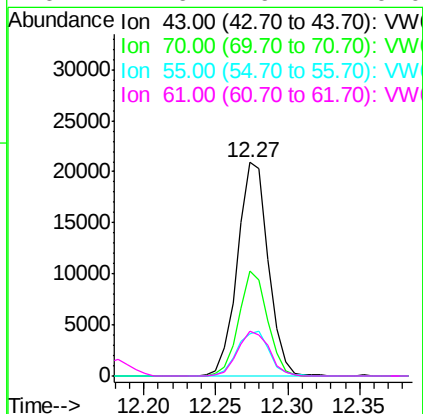
Manual Integrations
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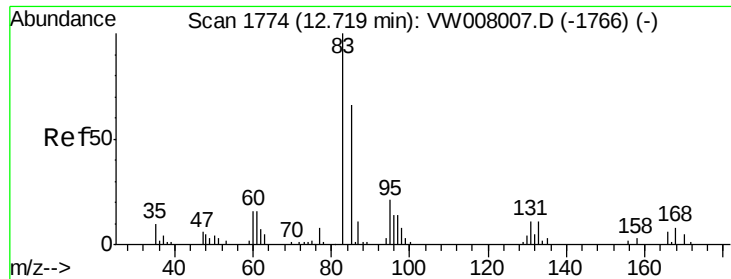
MMDadoda
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#74
N-ethyl acetate
Concen: 51.112 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 43 Resp: 31095
Ion Ratio Lower Upper
43 100
70 45.8 35.2 52.8
55 22.0 21.4 32.0
61 21.6 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.246 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

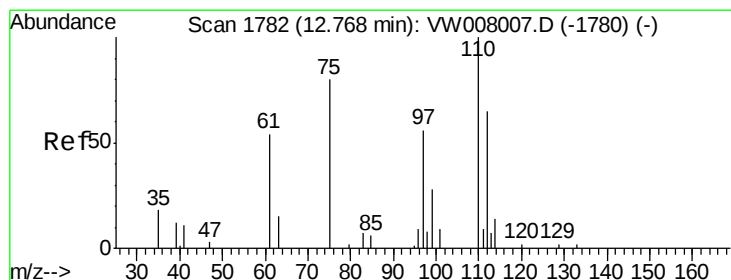
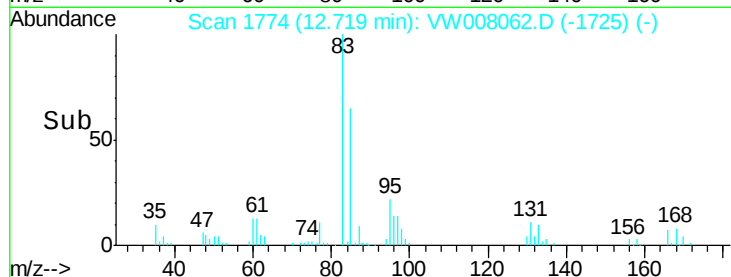
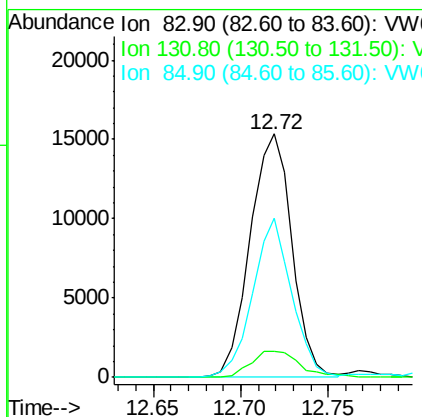
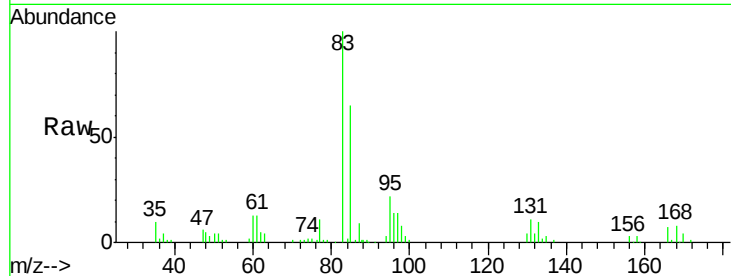
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	25484
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.5	19.5
85	60.9	32.8	98.3

Manual Integrations
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1/8/2019 11:53:28 AM



#76

1,2,3-Trichloropropane

Concen: 41.275 ug/l m

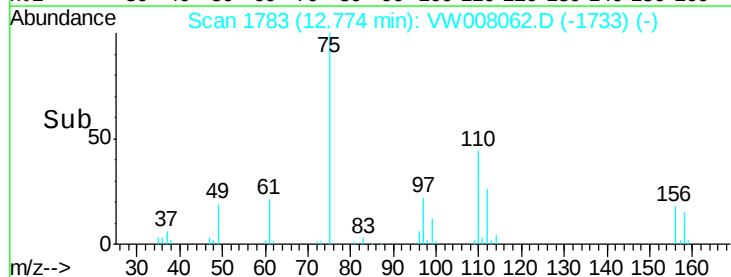
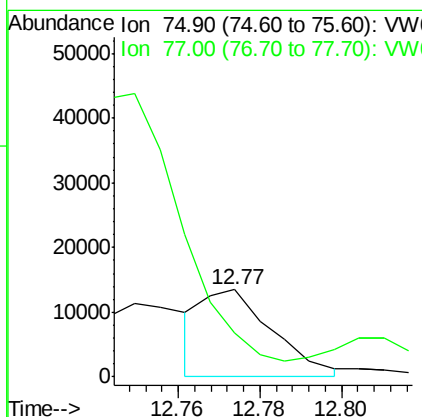
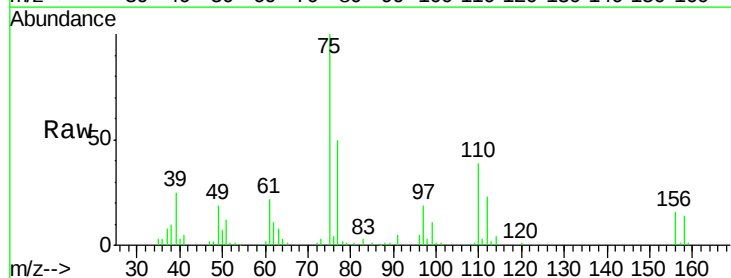
RT: 12.77 min Scan# 1783

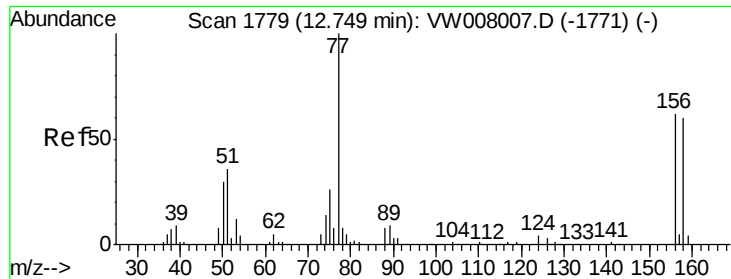
Delta R.T. 0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion:	75	Resp:	16139
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.2	558.6#





#77

Bromobenzene

Concen: 51.290 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 43086

Ion Ratio Lower Upper

156 100

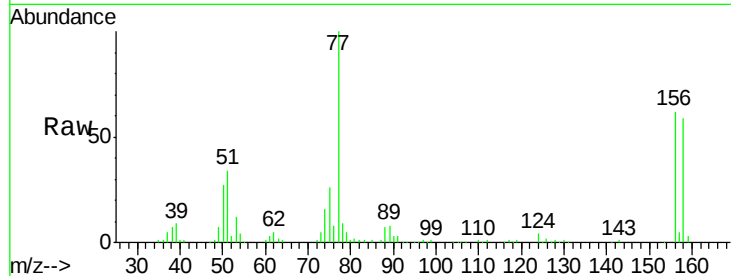
77 182.2 87.9 263.8

158 97.1 47.8 143.4

Manual Integrations
APPROVED

MMDadoda

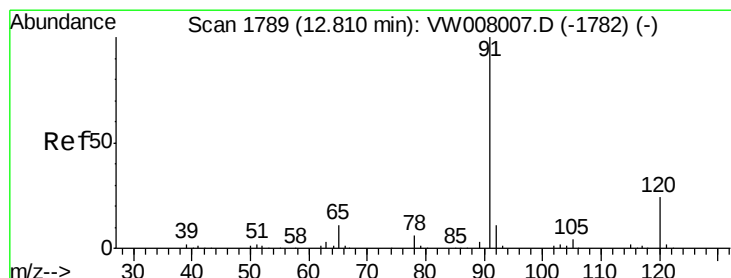
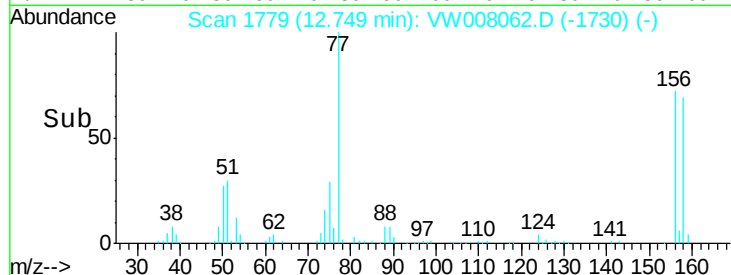
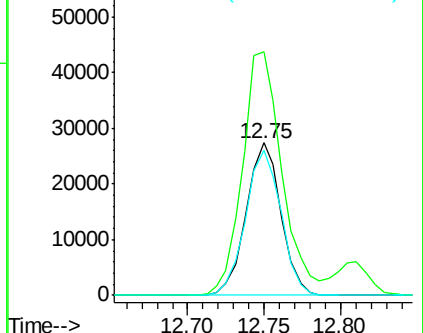
1/8/2019 11:53:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.368 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008062.D

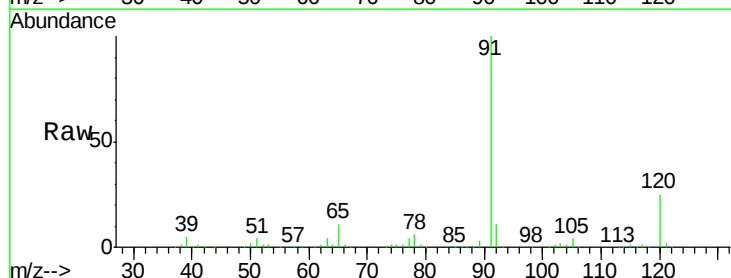
Acq: 07 Jan 2019 11:39

Tgt Ion: 91 Resp: 228235

Ion Ratio Lower Upper

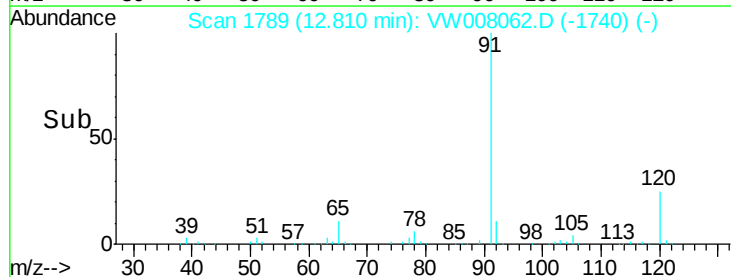
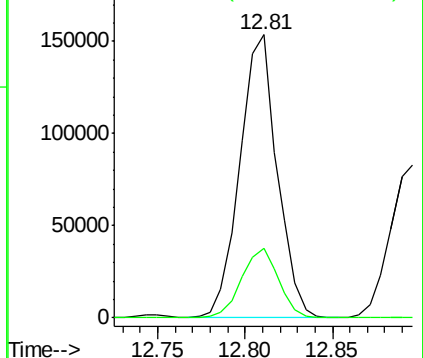
91 100

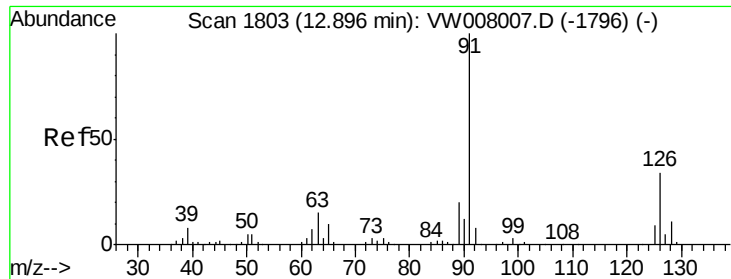
120 24.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





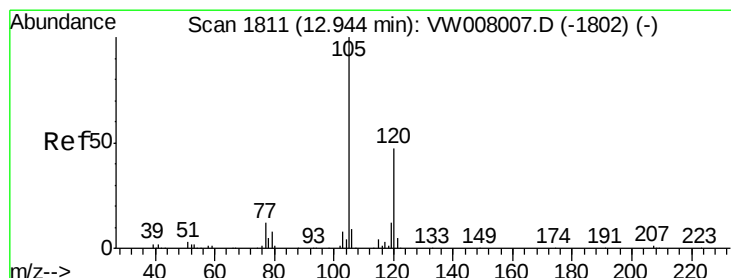
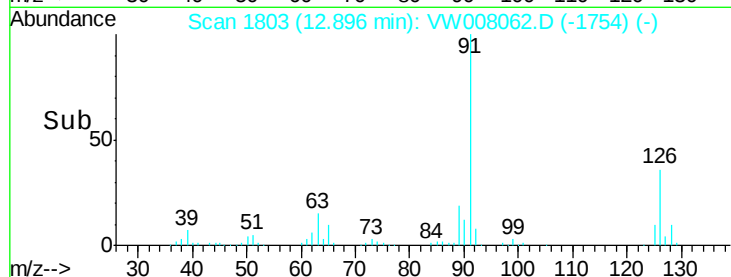
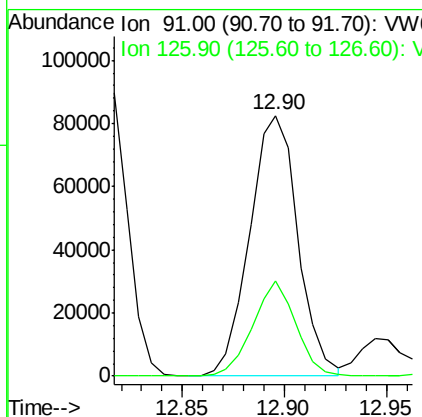
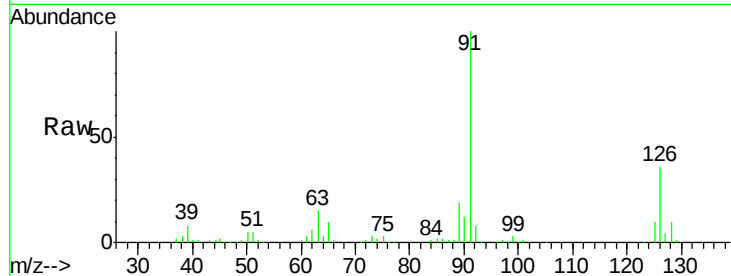
#79
2-Chlorotoluene
Concen: 51.605 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 135148
Ion Ratio Lower Upper
91 100
126 32.7 17.1 51.2

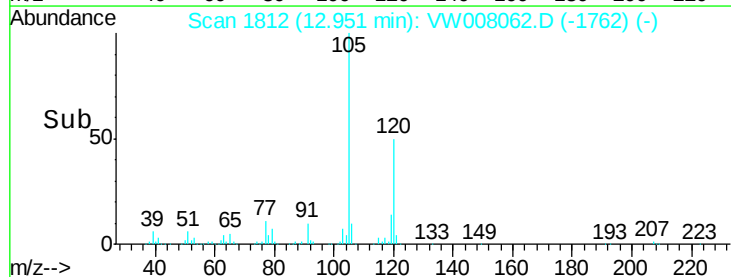
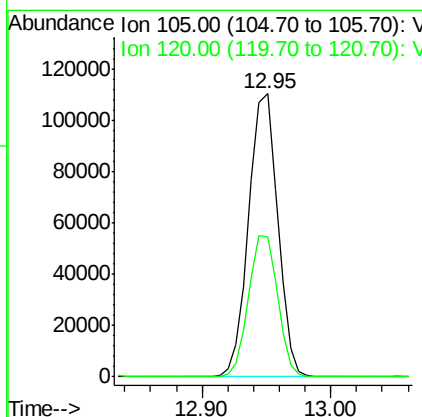
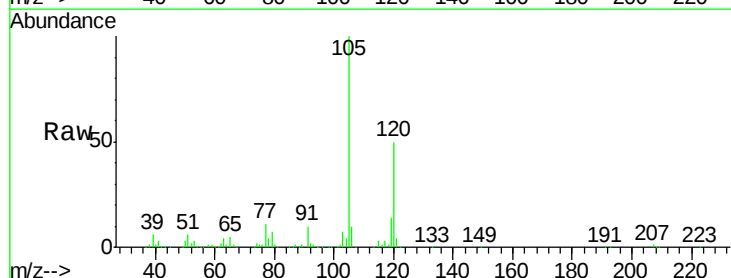
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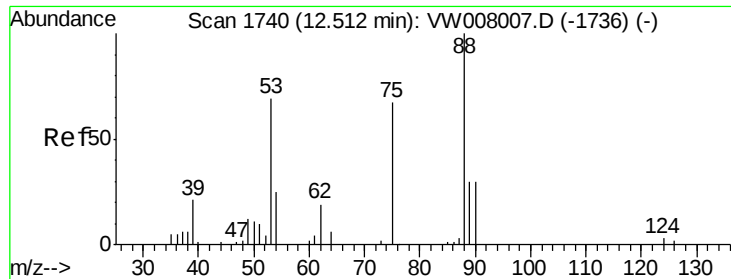
MMDadoda
1/8/2019 11:53:28 AM



#80
1,3,5-Trimethylbenzene
Concen: 51.161 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:105 Resp: 172113
Ion Ratio Lower Upper
105 100
120 49.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 50.023 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

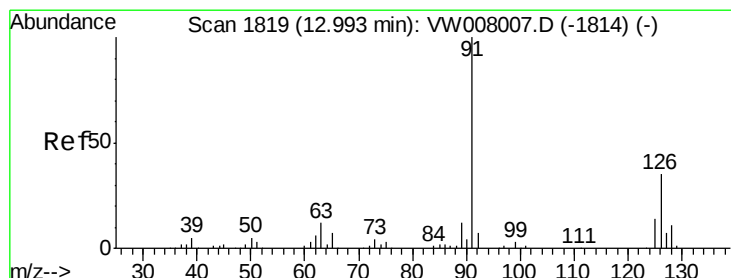
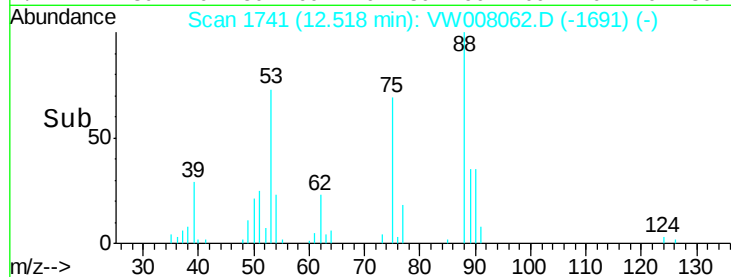
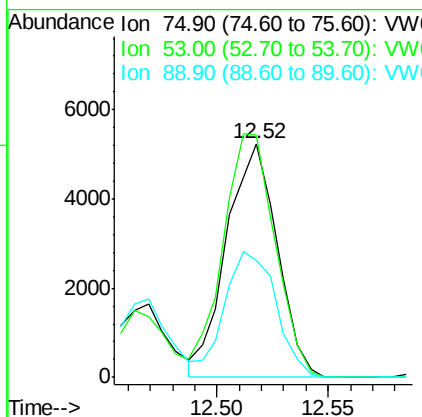
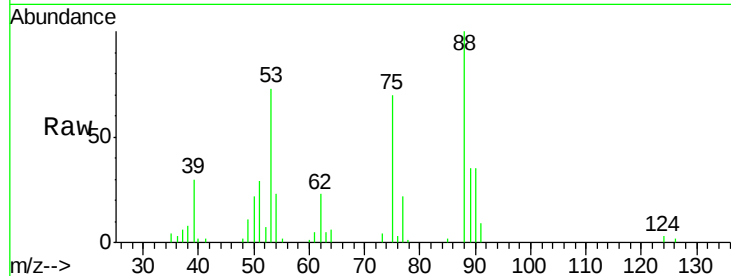
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	8271
Ion	Ratio	Lower	Upper
75	100		
53	107.2	87.6	131.4
89	55.1	42.2	63.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.157 ug/l

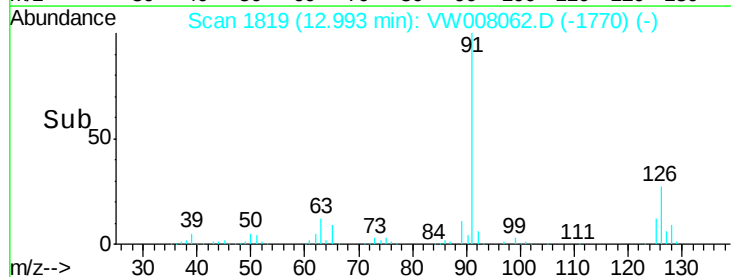
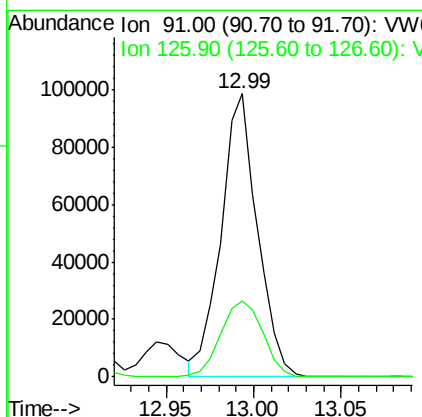
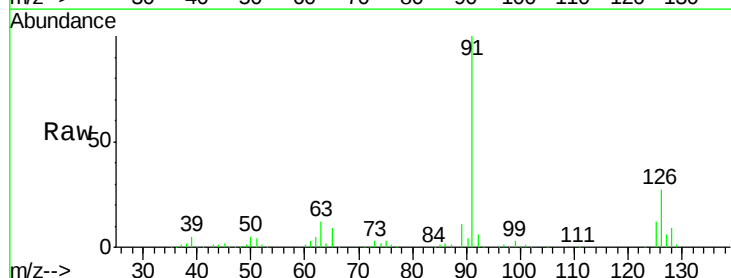
RT: 12.99 min Scan# 1819

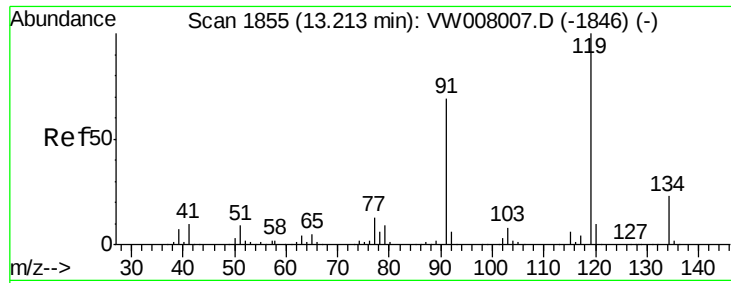
Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion:	91	Resp:	142461
Ion	Ratio	Lower	Upper
91	100		
126	30.9	16.7	50.1





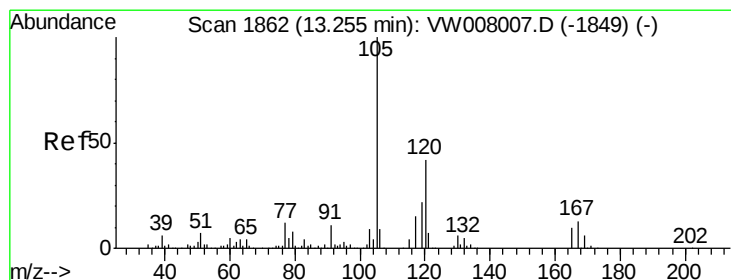
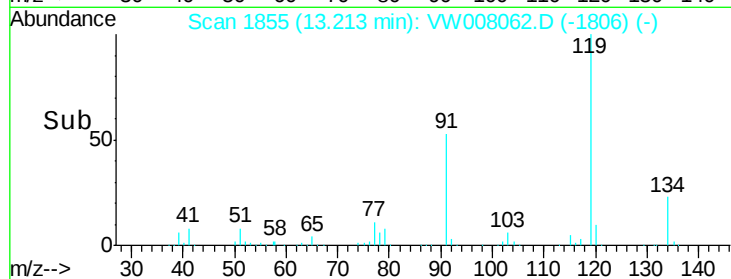
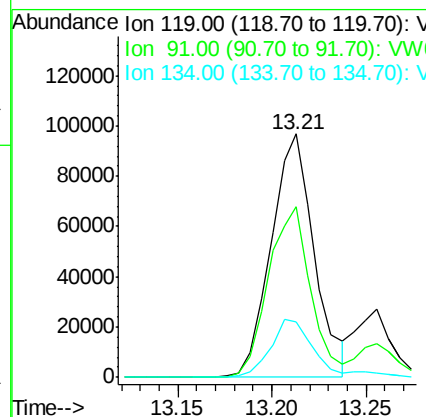
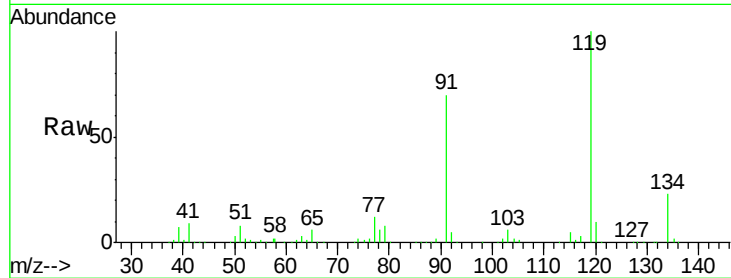
#83
tert-Butylbenzene
Concen: 52.192 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.7	104.1
134	24.6	11.5	34.4

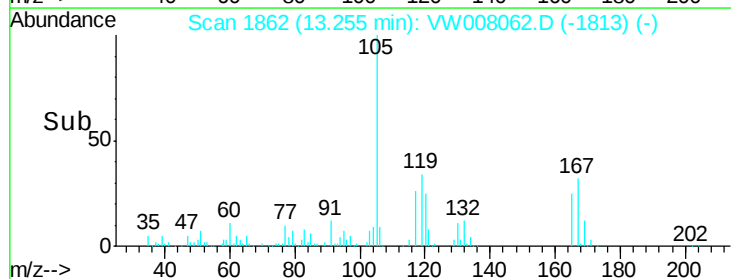
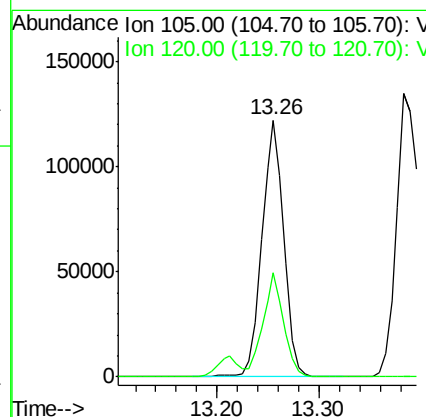
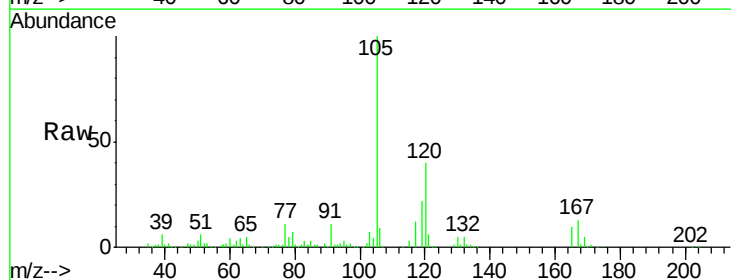
Manual Integrations
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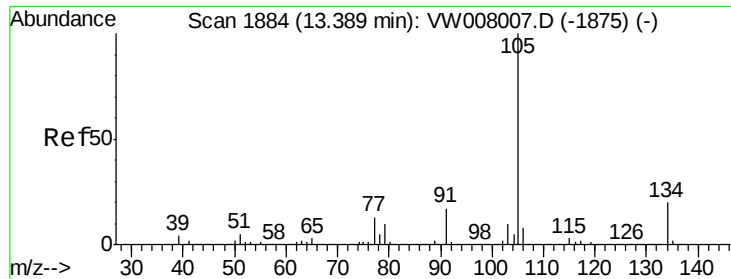
MMDadoda
1/8/2019 11:53:28 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.554 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	37.9	21.5	64.5





#85

sec-Butylbenzene

Concen: 51.409 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 208152

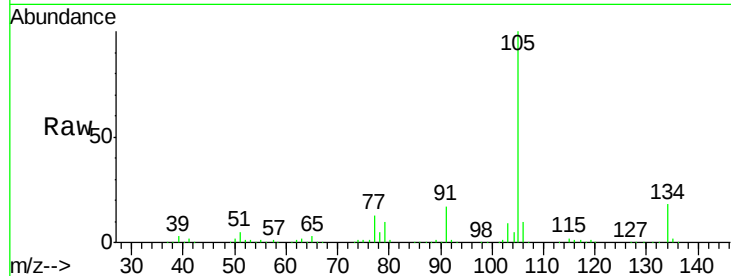
Ion Ratio Lower Upper

105 100

134 19.0 9.7 28.9

Manual Integrations
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1/8/2019 11:53:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

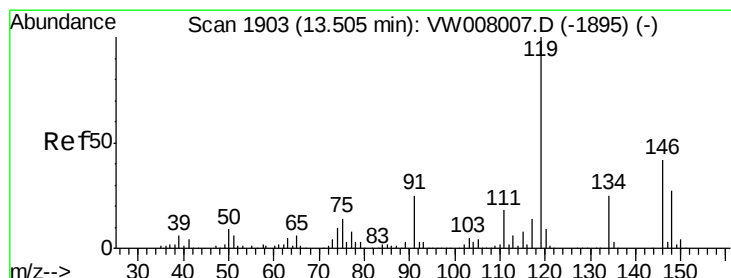
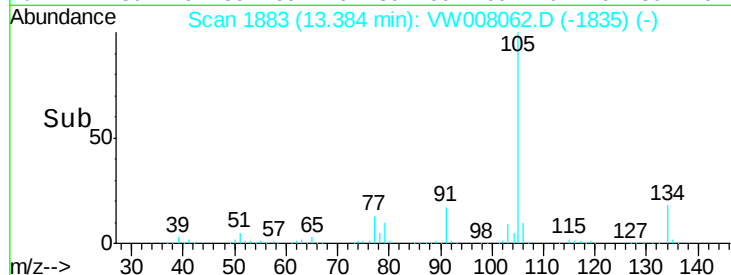
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.742 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

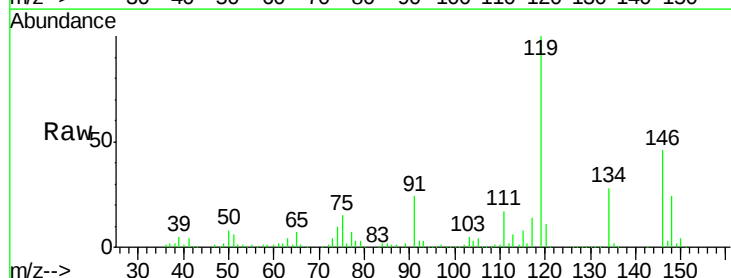
Tgt Ion:119 Resp: 185314

Ion Ratio Lower Upper

119 100

134 25.7 12.5 37.5

91 26.5 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

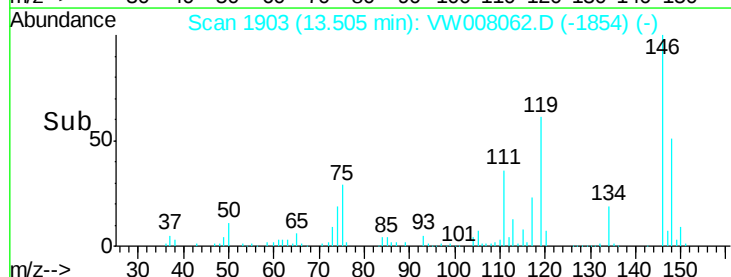
150000

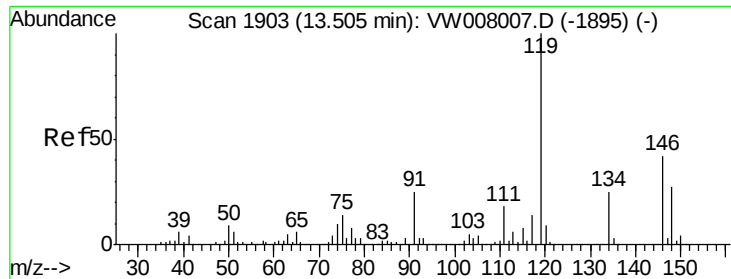
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.008 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

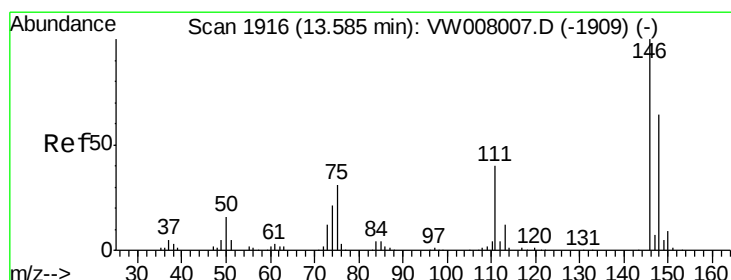
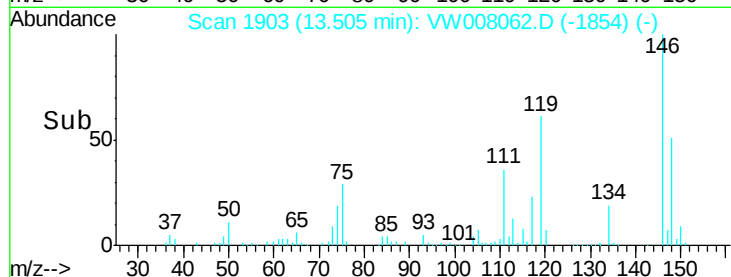
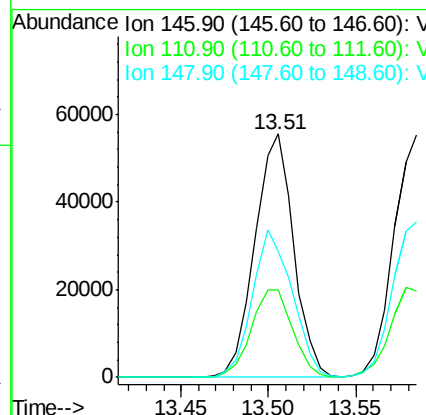
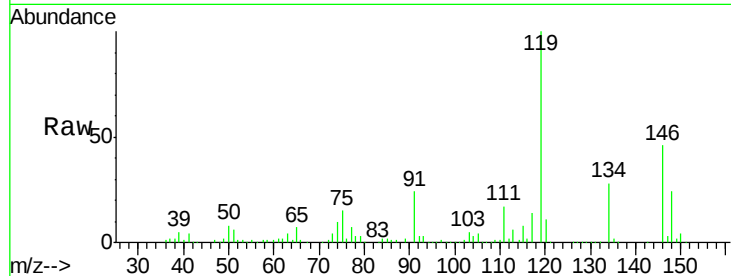
Instrument :
MSVOA_W

ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.4	64.2
148	62.0	31.9	95.5

Manual Integrations
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MMDadoda
1/8/2019 11:53:28 AM



#88

1,4-Dichlorobenzene

Concen: 50.578 ug/l

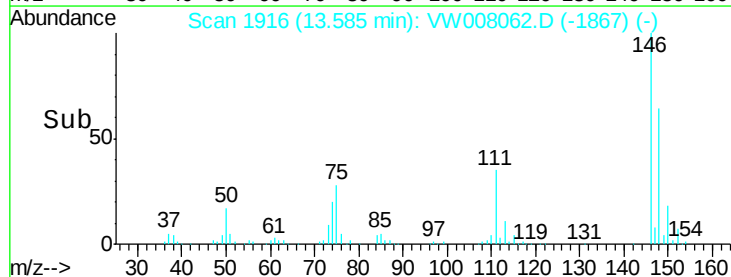
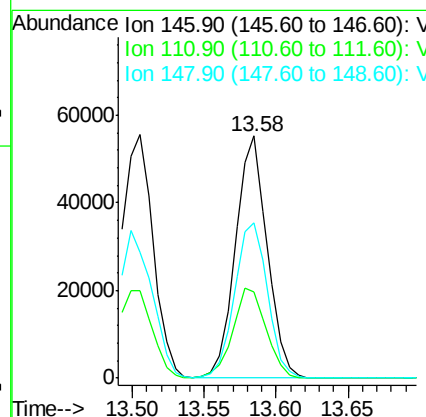
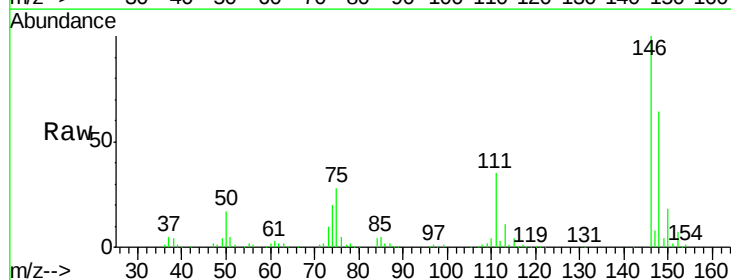
RT: 13.58 min Scan# 1916

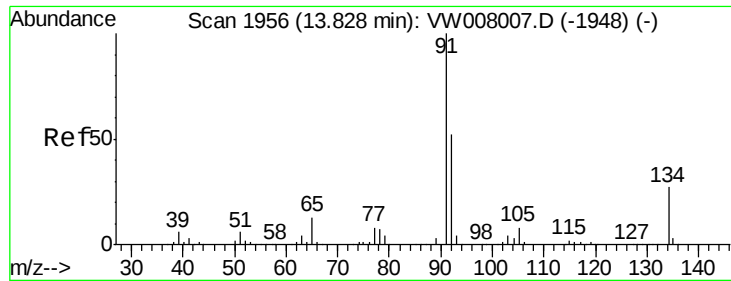
Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.9	62.8
148	66.5	31.9	95.9





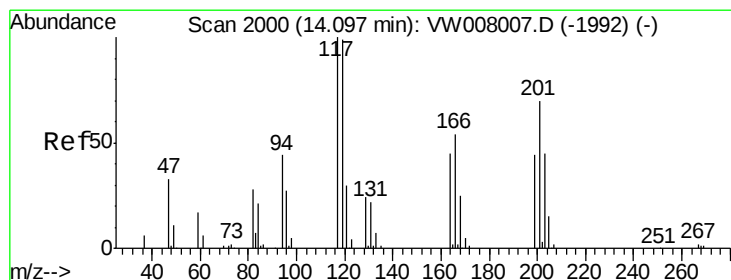
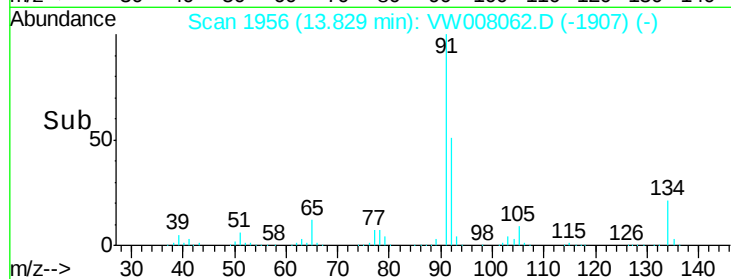
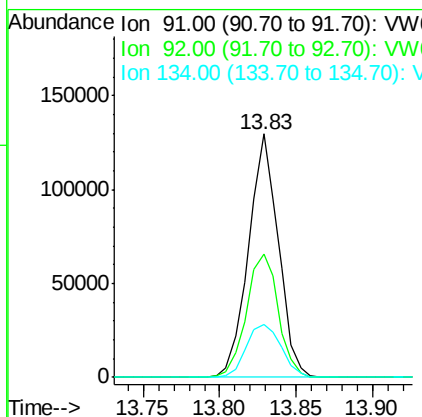
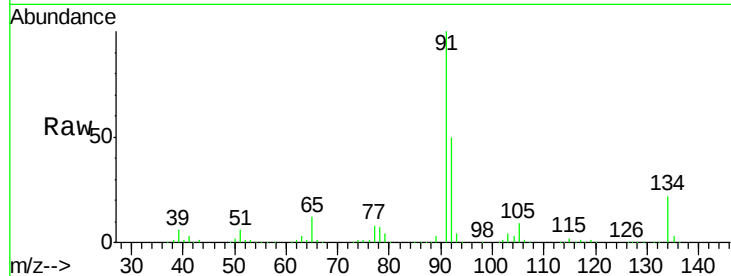
#89
n-Butylbenzene
Concen: 52.668 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.4	79.2
134	25.4	13.4	40.2

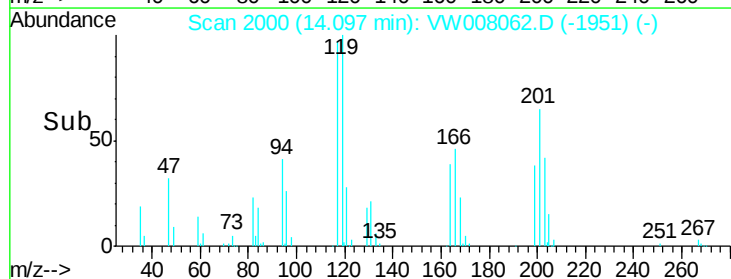
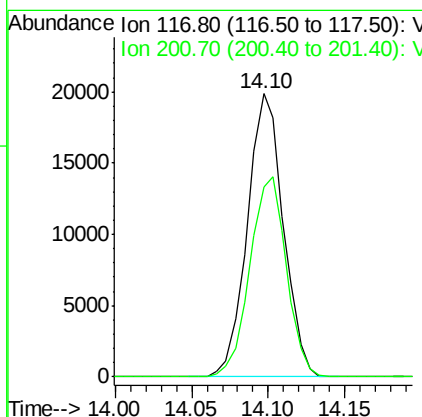
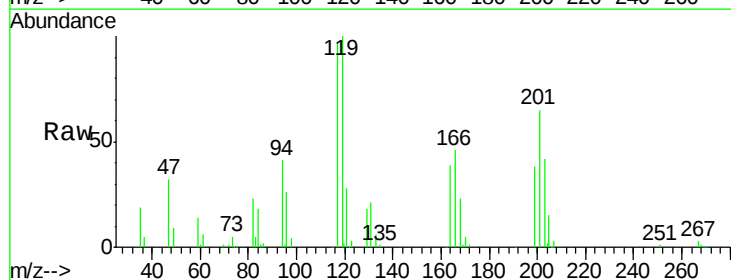
Manual Integrations
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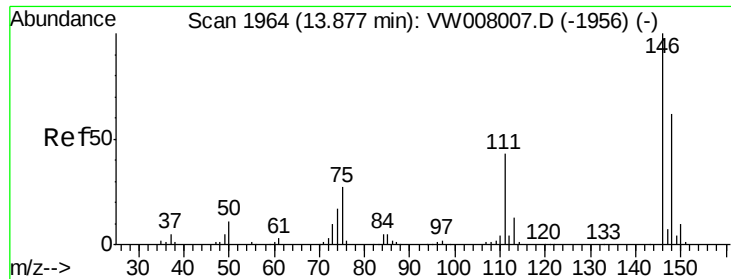
MMDadoda
1/8/2019 11:53:28 AM



#90
Hexachloroethane
Concen: 51.268 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	37.1	111.5





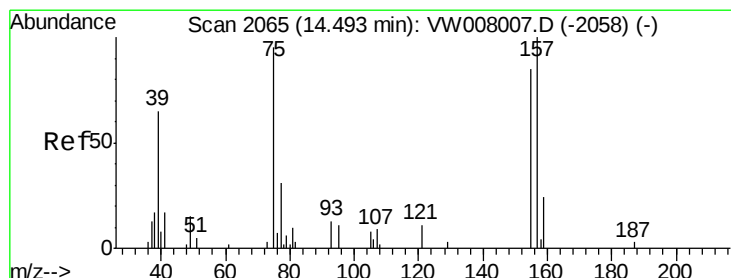
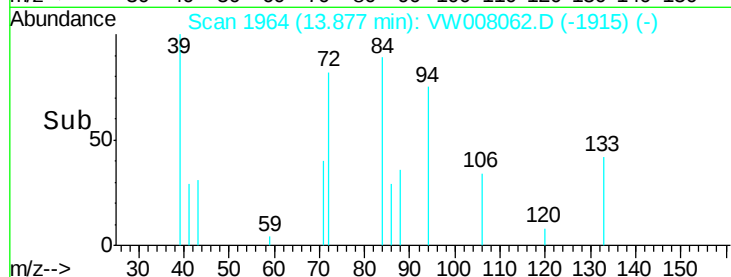
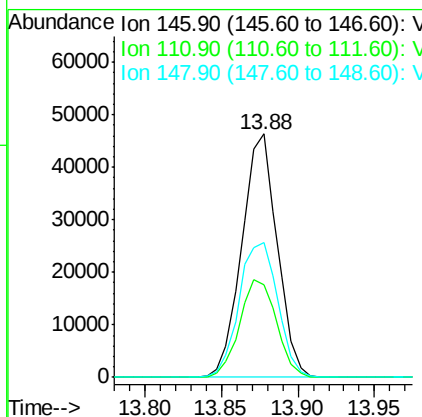
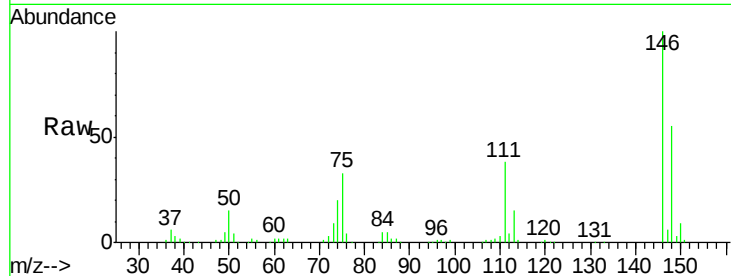
#91
 1,2-Dichlorobenzene
 Concen: 49.931 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.6	67.7
148	60.7	32.1	96.3

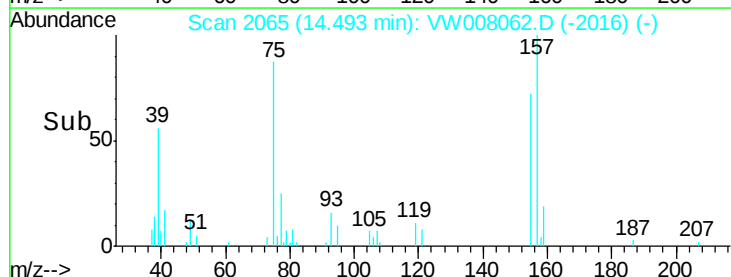
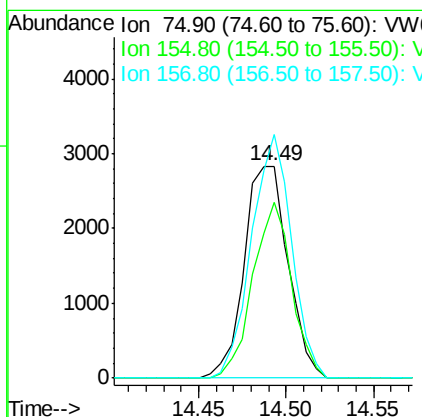
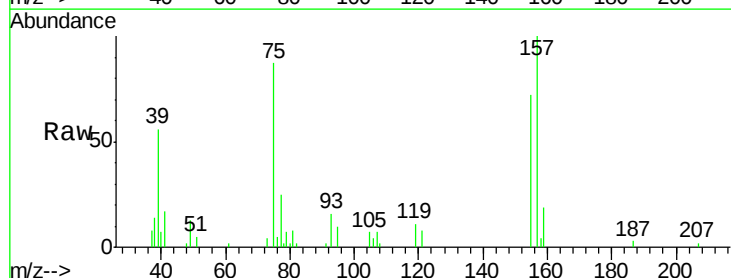
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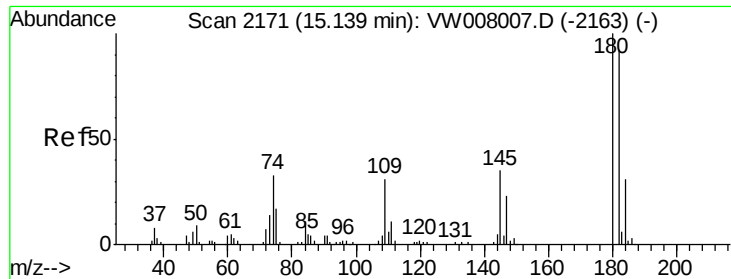
MMDadoda
 1/8/2019 11:53:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.856 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	42.4	127.1
157	105.2	52.3	156.8





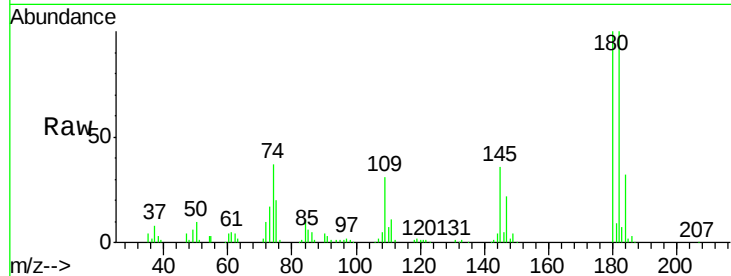
#93
 1,2,4-Trichlorobenzene
 Concen: 46.436 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

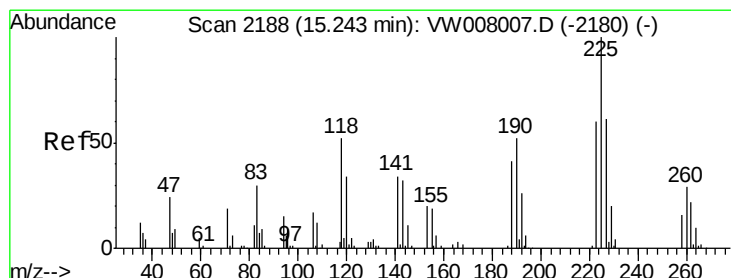
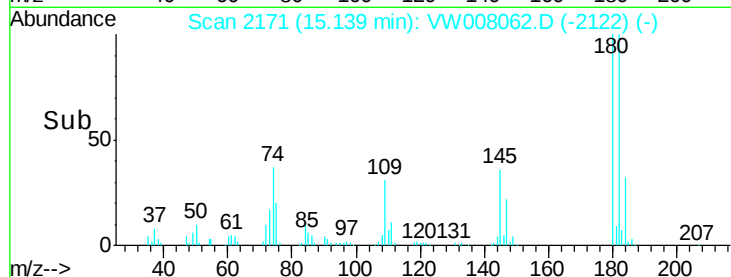
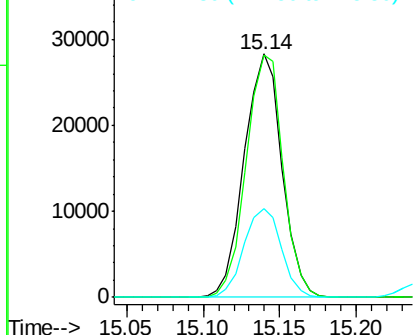
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	46.6	139.8
145	36.2	17.2	51.6

Manual Integrations
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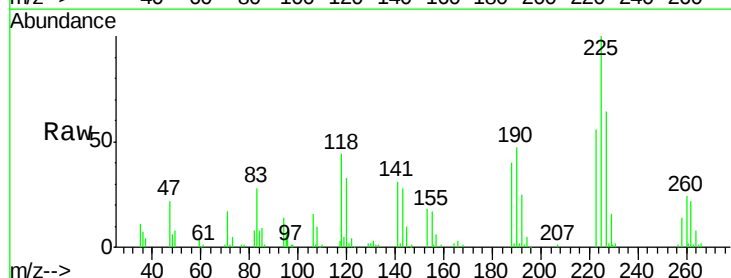


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

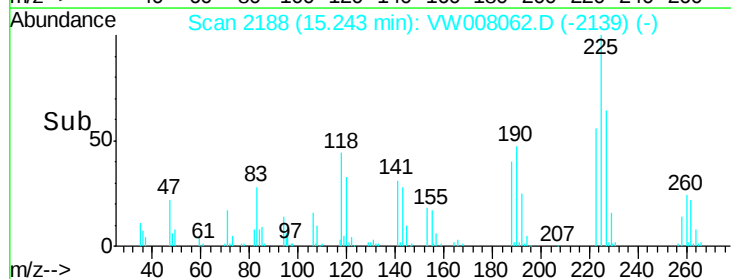
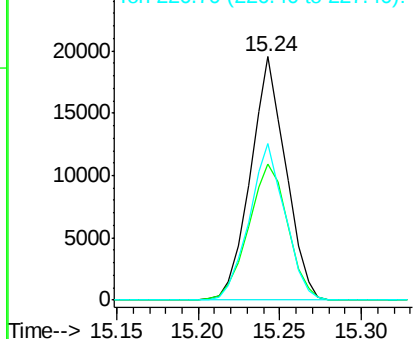


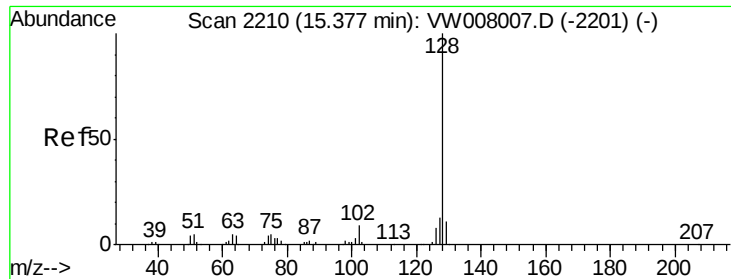
#94
 Hexachlorobutadiene
 Concen: 48.653 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.6	92.0
227	65.1	31.3	93.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.454 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

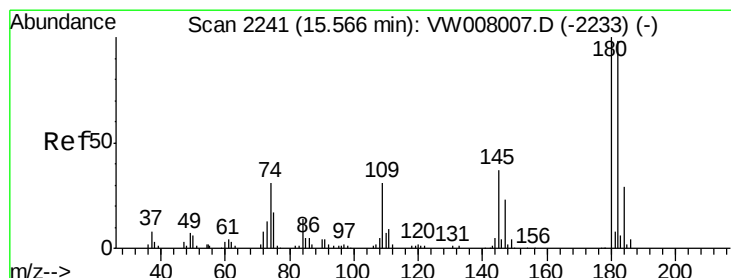
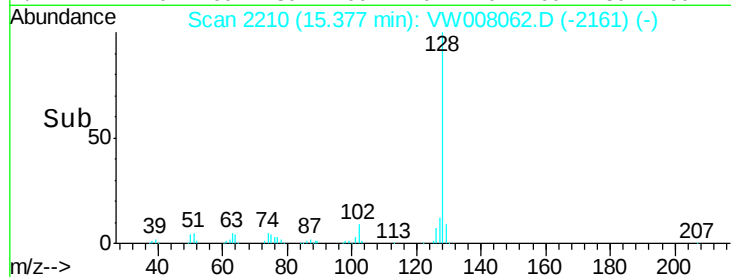
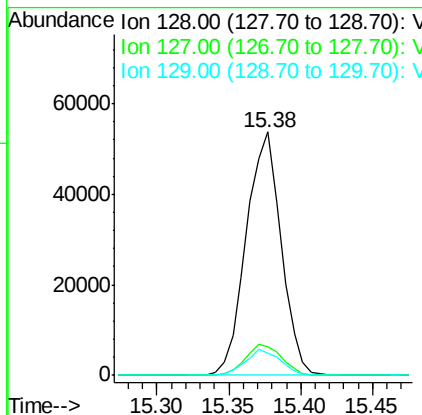
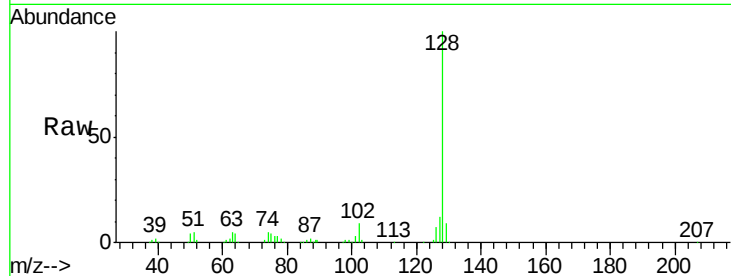
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	89891
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.8	16.2
129	10.7	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 48.408 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion:	180	Resp:	41668
Ion Ratio	Lower	Upper	
180	100		
182	99.3	47.9	143.8
145	35.7	18.7	56.1

